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PIERPONT COMMUNITY & TECHNICAL
COLLEGE -- 2010-2011

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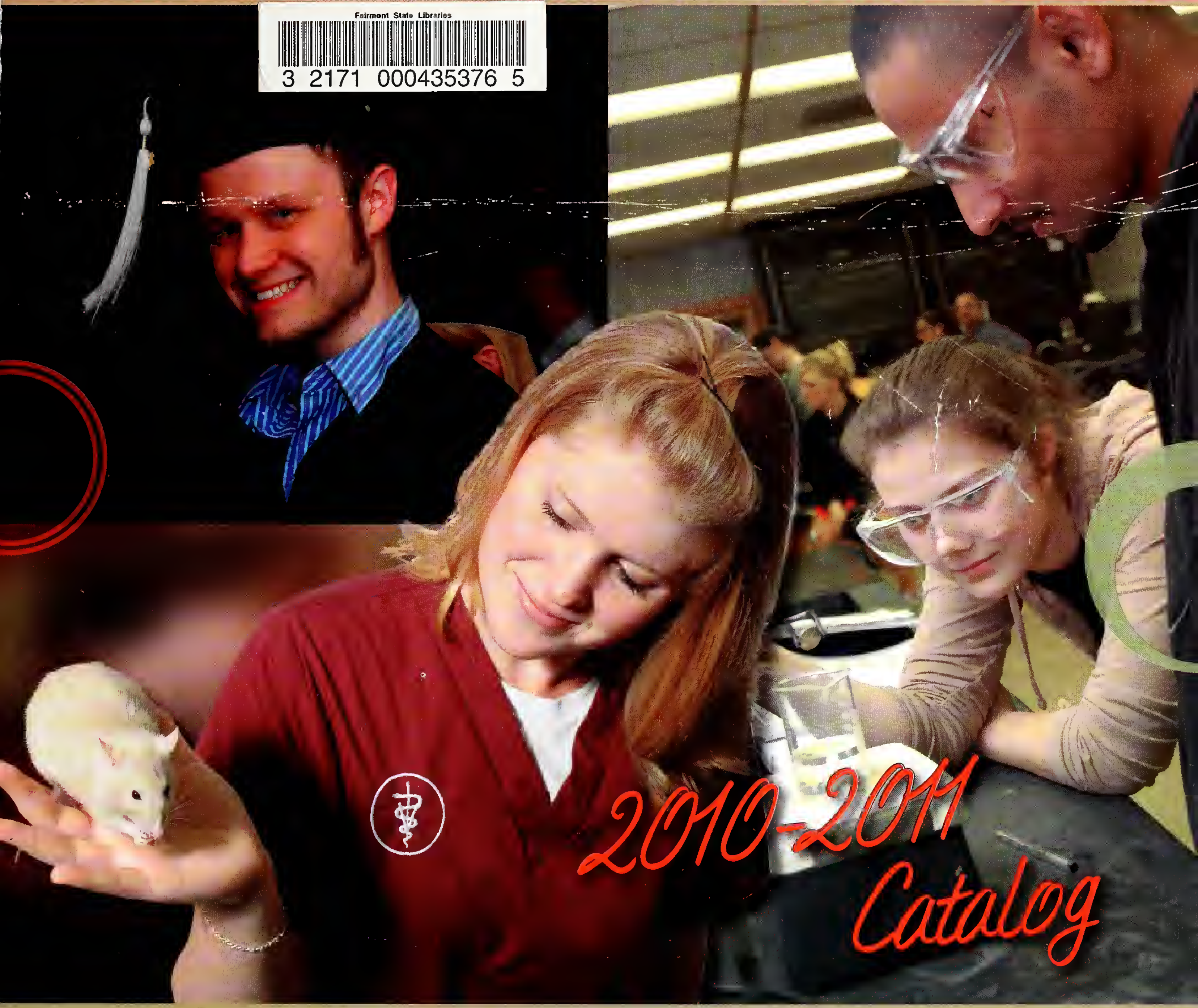

2010-2011
Catalog

PIERPONT

COMMUNITY & TECHNICAL COLLEGE™

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FAIRMONT STATE UNIVERSITY
and
PIERPONT COMMUNITY & TECHNICAL COLLEGE

2010-2011

Undergraduate Catalog

Volume 124, Number 1
Fairmont, West Virginia

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FAIRMONT STATE UNIVERSITY AND
PIERPONT COMMUNITY & TECHNICAL COLLEGE
2010-2011 ACADEMIC CALENDAR

2010 FALL SEMESTER

MONDAY - FRIDAY, AUGUST 16 - 20	FACULTY PROFESSIONAL DEVELOPMENT WEEK
THURSDAY, AUGUST 19 (BEGINNING AT 4:30 PM).	RESIDENCE HALLS OPEN FOR NEW STUDENTS
FRIDAY, SATURDAY, SUNDAY, AUGUST 20, 21, 22	WELCOME WEEKEND
SATURDAY, AUGUST 21	WEEKEND COLLEGE BEGINS - 1st 8 WEEKS
MONDAY, AUGUST 23	CLASSES BEGIN
MONDAY, SEPTEMBER 6	LABOR DAY, NO CLASSES
FRIDAY, SEPTEMBER 10	APPLICATIONS FOR MAY 2011 GRADUATION DUE
FRIDAY, OCTOBER 15	MID SEMESTER
SATURDAY, OCTOBER 23	WEEKEND COLLEGE BEGINS - 2nd 8 WEEKS
MONDAY, OCT. 25 – THURSDAY, NOV. 18	ADVANCED SCHEDULING FOR SPRING SEMESTER
MONDAY-FRIDAY, NOVEMBER 22 - 26	THANKSGIVING RECESS, NO CLASSES
MONDAY, NOVEMBER 29	CLASSES RESUME, 8 A.M
FRIDAY, DECEMBER 10	LAST DAY OF CLASSES
MONDAY-FRIDAY, DECEMBER 13 - 17	FINAL EXAMS
FRIDAY, DECEMBER 17	RESIDENCE HALLS CLOSE
FRIDAY, DECEMBER 17	COMMENCEMENT (PIERPONT COMMUNITY & TECHNICAL COLLEGE)
SATURDAY, DECEMBER 18	COMMENCEMENT (FAIRMONT STATE UNIVERSITY)

2011 SPRING SEMESTER

MONDAY- FRIDAY, JANUARY 10- 14	FACULTY PROFESSIONAL DEVELOPMENT WEEK
FRIDAY, JANUARY 14	RESIDENCE HALLS OPEN FOR NEW STUDENTS
FRIDAY, JANUARY 14	SCHEDULING/ORIENTATION
SATURDAY, JANUARY 15	WEEKEND COLLEGE BEGINS - 1st 8 WEEKS
MONDAY, JANUARY 17	MARTIN LUTHER KING DAY, NO CLASSES
TUESDAY, JANUARY 18	CLASSES BEGIN
FRIDAY, FEBRUARY 4	APPLICATIONS FOR DECEMBER 2011 GRADUTION DUE
FRIDAY, MARCH 11	MID SEMESTER
MONDAY-FRIDAY, MARCH 14 - 18	SPRING BREAK, NO CLASSES
SATURDAY, MARCH 19	WEEKEND COLLEGE BEGINS - 2nd 8 WEEKS
MONDAY, MARCH 21	CLASSES RESUME, 8 A.M
MONDAY, MARCH 28 - THURSDAY, APRIL 21	ADVANCED SCHEDULING FOR FALL SEMESTER
FRIDAY, APRIL 22	GOOD FRIDAY, NO CLASSES
FRIDAY, MAY 6	LAST DAY OF CLASSES
MONDAY-FRIDAY, MAY 9 - 13	FINAL EXAMS
FRIDAY, MAY 13	RESIDENCE HALLS CLOSE
FRIDAY, MAY 13	COMMENCEMENT (PIERPONT COMMUNITY & TECHNICAL COLLEGE)
SATURDAY, MAY 14	COMMENCEMENT (FAIRMONT STATE UNIVERSITY)

2011 FIRST SUMMER TERM

MONDAY, MAY 23	SCHEDULING/FEE PAYMENT/CLASSES BEGIN
FRIDAY, MAY 27	APPLICATIONS FOR AUGUST 2011 GRADUATION DUE
MONDAY, MAY 30	MEMORIAL DAY, NO CLASSES
THURSDAY, JUNE 23	FIRST SUMMER TERM ENDS

2011 SECOND SUMMER TERM

MONDAY, JUNE 27	SCHEDULING/FEE PAYMENT/CLASSES BEGIN
THURSDAY, JULY 28	SECOND SUMMER TERM ENDS

Introduction

Fairmont State University and Pierpont Community & Technical College share a 120-acre main campus in Fairmont, West Virginia. With a population of about 19,000, Fairmont, located approximately 90 miles south of Pittsburgh, Pennsylvania, is the seat of government for Marion County. Partnership allows us to better serve our 7,300 students and provides students with the opportunity to find their future from more than 145 skill sets, one-year certificates, associate degrees, bachelor's degrees and graduate programs. Visit us online at www.fairmontstate.edu and www.pierpont.edu.

In their overarching desire to help transform lives, FSU and Pierpont value scholarship, opportunity, achievement, and responsibility. The mission of FSU is to provide opportunities for individuals to achieve their professional and personal goals and discover roles for responsible citizenship that promote the common good. The mission of Pierpont is to provide opportunities for learning, training, and further education that enrich the lives of individuals and promote the economic growth of our service region and state.

FSU and Pierpont are part of the state's growing high technology corridor with a metro area of about 50,000 residents. With an enrollment of 4,570, FSU offers more than 90 baccalaureate degrees and graduate programs in business, criminal justice, education, and human services. With an enrollment of more than 2,730, Pierpont offers more than 50 associate degree programs, skill sets and one-year certificates, as well as a variety of courses at more than 15 sites in North Central West Virginia, including the Braxton County Center in Flatwoods and the Lewis County Center in Weston. Through its Center for Workforce Education in downtown Fairmont, Pierpont provides workforce training and community education for its 13-county region. Pierpont operates the Robert C. Byrd National Aerospace Education Center in Bridgeport, which offers programs in flight and aviation maintenance. The shared main campus is home to the Frank and Jane Gabor West Virginia Folklife Center. FSU and Pierpont also offer classes at a branch campus in Clarksburg called the Gaston Caperton Center.

GASTON CAPERTON CENTER

The Gaston Caperton Center is a satellite campus located at 501 W. Main Street in downtown Clarksburg. Clarksburg, the seat of Harrison County, is approximately 23 miles from Fairmont. The Gaston Caperton Center serves as a site for delivery of a wide variety of courses for students enrolled in Fairmont State University and Pierpont Community & Technical College. The Center is open from 8:00 a.m. until 10:00 p.m. Monday through Thursday, and 8:00 a.m. until 4:00 p.m. on Friday. The Center offers classes on Saturdays, but administrative offices are closed.

Students can complete the General Studies requirements for Bachelor of Arts and Bachelor of Science degrees, and all course requirements for the B.S. in Business Administration with an emphasis in General Business. The business common core for all baccalaureate business degrees may be completed as can Associate Degrees in General Business, Accounting, Liberal Studies, Criminal Justice and Physical Therapist Assistant. Many other course offerings allow students to make progress toward degree completion in several academic areas.

The Center comprises a 36,000 square foot, state-of-the-art building boasting the latest in computer connectivity, modern classrooms, computer and natural-science labs, conference facilities, and a full-service library. The facility has 15 classrooms including three computer classrooms, one life-sciences lab for general biology, anatomy and physiology, etc., one physics lab for general physics, electronics and/or other technical courses, and one physical therapy lab for the Physical Therapist Assistant program. In addition to one hundred computers which faculty use for direct instruction or instructional-support activities, the building has a number of courtesy ports which allow students with laptop computers to connect directly into the college's network.

The facility has two large multi-purpose meeting rooms that serve as large lecture halls which will seat 54 or 75 people respectively; when combined, the rooms accommodate 200 in auditorium seating or 125 at tables in a single room. Four small conference rooms are also available.

The library houses thirty-four computers in two labs. Students may access the Internet and electronic databases and resources, study, complete homework assignments, and perform email functions. The library is open and staffed for the same operating hours as the facility. A reference librarian is available to assist students and faculty with research and library needs.

In addition to various small seating areas in the building, there are two student lounge areas, one faculty lounge, a portico seating area and an adjacent walled courtyard area with bench and wall seating.

The Center is in full compliance with handicapped accessibility; an elevator serves all three floors, and there are restroom facilities on each floor. The Center has over 200 parking spaces in five separate lots with handicapped parking near the rear entrance.

Students at the Gaston Caperton Center may avail themselves of support services offered in conjunction with the main campus including counseling, financial aid, disability services, food services, and advising.

ALUMNI ASSOCIATION

The Fairmont State Alumni Association, founded in 1873, is the official organization representing graduates of Fairmont State and Pierpont (including Fairmont State Normal School, Fairmont State Teachers College, Fairmont State College, Fairmont State University and Pierpont Community & Technical College). The Association is led by an elected, unpaid, volunteer Board consisting of graduates of Fairmont State and Pierpont.

The purpose of the Fairmont State Alumni Association is to unite its members in an effective organization dedicated to the advancement of Fairmont State and Pierpont by:

a. strengthening the relationship between the alumni and Fairmont State and Pierpont through effective communication and collaboration about current programs, activities and needs;
b. perpetuating and strengthening the bonds of loyalty and friendship among alumni;
c. supporting Fairmont State and Pierpont-sponsored activities, on and off-campus, that enrich the life of the

institutions, their students and community as well as provide incentive for participation;

d. representing the interests of alumni to the institutions, by providing information and making recommendations for action;
e. assisting the institutions, their student body and alumni members with vocational guidance and job placement;
f. taking such other action as may be deemed appropriate for the advancement of the Institutions and the Association.

Contact the Fairmont State Alumni Association through the Director of Alumni Affairs at:

Director of Alumni Affairs
Erickson Alumni Center
1201 Locust Avenue
Fairmont, WV 26554
Direct Dial: (304) 367-4375
Fax: (304) 367-4742
Toll Free (866) 372-ALUM
Web: www.fairmontstate.edu/alumni/alumni_home.asp

Visit the Erickson Alumni Center at 1300 Locust Avenue, Fairmont, West Virginia.

CATALOG POLICY

It is the responsibility of students to be knowledgeable of official FSU and Pierpont policies and to meet all requirements in the Catalog. It provides the best possible current information on practices and intentions of the institutions. FSU and Pierpont reserve the right to change provisions or requirements at any time to reflect curricular changes and administrative regulations and procedures. The Catalog is not considered a binding contract between the student and the institutions. It is for informational purposes only.

Students should keep informed of current degree, curriculum, and course requirements. The academic advisors and appropriate administrative offices of FSU and Pierpont may be consulted for further information.

A student who enrolls at FSU or Pierpont shall follow the degree provisions of the catalog in use at the time of admission or any subsequent catalog, providing the entire subsequent catalog is adopted.

Students who have interrupted their schooling for more than one year will become subject to the degree provisions of the current catalog.

Please note that academic policies can change each year and apply to all students regardless of when you begin your studies. Refer to the current catalog each year for academic policies.

EMAIL ACCOUNT POLICY

The FSU or Pierpont e-mail address assigned to a student will serve as the official email address used by the institutions for all correspondence including invoices, financial aid notifications, and information from the Student Services Center. The Admissions Office will send an official admission letter informing students of their email account and Unified College Account (UCA) and how to activate the UCA. The Admissions Office will also formally notify students of our institutions' policies regarding the use of FSU and Pierpont email for all major institutional correspondence. No other email addresses will be included when emails are sent. The parent email address will be collected at Orientation for new students and the first invoice will be sent to those addresses in addition to the student.

POLICY ON EQUAL OPPORTUNITY AFFIRMATIVE ACTION

Fairmont State University and Pierpont Community & Technical College are Equal Opportunity-Affirmative Action institutions. In compliance with Title VI of the Civil Rights Act of 1964, Title VII of the Civil Rights Act, West Virginia Human Rights Act, Title IX (Educational Amendments of 1972), Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the other applicable laws and regulations, the institutions provide equal opportunity to all prospective and current members of the student body, faculty, and staff on the basis of individual qualifications and merit without regard to race, sex, religion, age, national origin, disability, or sexual orientation as identified and defined by law.

FSU and Pierpont neither affiliate knowingly with nor grant recognition to any individual, group or organization having policies that discriminate on the basis of race, color, age, religion, sex, national origin, disability, or sexual orientation as defined by applicable laws and regulations. Further inquiries may be directed to the Director of Affirmative Action, who is the Section 504, Title IX, located at Room 324 Hardway Hall, (304) 367- 4386, or the Americans with Disabilities Act Coordinator, located at Room 309 Colebank Hall, (304) 367-4215.

SERVICES FOR STUDENTS WITH DISABILITIES

As required by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, reasonable accommodations are provided for those students whose disability may affect their pursuit of a college education. These students must contact the Coordinator for Services for Students with Disabilities, who is located in Student Affairs, Colebank Hall 307, if these services are desired. Documentation of the disability that is to be accommodated for is required. Documentation requirements are available on the web site. Priority scheduling procedures have been established for students with disabilities. Students should contact their advisor for priority class pre-registration. For additional information contact the Coordinator for Student Disability Services at (304) 367-4686 or consult the Disability Services web page at http://www.fairmontstate.edu/studentlife/disabilityservices/default.asp

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 provides students with the right to inspect and review information contained in their educational records, to challenge the contents of their educational records, to have a hearing if the outcome of the challenge is unsatisfactory and to submit explanatory statements for inclusion in their files if they feel the decisions of the hearing panels are unacceptable. Students wishing to review their educational records must contact the campus official in charge of the office in which the records are located. Students may not inspect records to which they have waived their rights of inspection and review.

Within the FSU and Pierpont community, only those members, individually or collectively, acting in the student's educational interest are allowed access to student education records. These members include personnel in the offices of Admissions and Records, Student Services, Financial Aid, Business, academic colleges and schools, departments, academic advisors, and athletic departments.

At its discretion the institution may provide Directory Information in accordance with the provisions of the Act to include: student name, address, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. Students may withhold directory information by notifying the Student Services Center in writing.

FSU and Pierpont may disclose academic information to parents of students by having parents establish the student's dependency as defined by the Internal Revenue Code of 1954, Section 152. Dependency status may be established by the presentation of a certified copy of the parents' most recent federal income tax form listing the student as a dependent.

DRUG-FREE AWARENESS PROGRAM

In compliance with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendments of 1989, FSU and Pierpont have a Drug-Free Awareness Program designed to prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees. Further inquiries may be directed to the Assistant Vice President of Human Resources or the Vice President for Student Affairs.

COMPLIANCE WITH MILITARY SELECTIVE SERVICE ACT

State law provides that a male person who has attained the age of eighteen (18) years may not enroll in a state-supported institution of postsecondary education unless he is in compliance with the Military Selective Service Act (50 U.S. Code, Appendix 451, et seq. and the amendments thereto). Also, a male person may not receive a loan, grant, scholarship or other financial assistance for postsecondary higher education funded by state revenue, including federal funds or gifts and grants accepted by this State, or receive a student loan guaranteed by the State unless he is in compliance with the Military Selective Service Act. Selective Service Act registration information should be available at all United States Postal Service facilities and may be available at some high schools. The Selective Service System also provides information through a web site at http://www.sss.gov.

Pierpont Community & Technical College

MISSION STATEMENT

The Mission of Pierpont Community & Technical College is to provide opportunities for learning, training, and further education that enrich the lives of individuals and promote the economic growth of our service region and state.

Pierpont Community & Technical College strives to enhance the quality of life for people of North Central West Virginia through accessible, affordable, comprehensive, responsive, workforce-related training, and quality higher education opportunities.

To fulfill this mission, Pierpont Community & Technical College will:

- Provide a comprehensive selection of career/technical educational opportunities at the certificate and associate degree levels developed through interaction with employers, employees, and college personnel
- Offer transfer education opportunities enabling students to acquire an affordable general education background before matriculating to the college or university of choice
- Provide opportunities for seamless transition from certificates to associate and baccalaureate degrees
- Make available developmental educational opportunities to students who need assistance in improving academic skills to be successful in higher education
- Develop and deliver continuing and community educational opportunities throughout North Central West Virginia such as lifelong learning opportunities, occupational recertification programs, and higher education opportunities for students enrolled in secondary schools
- Provide workforce training and economic development activities for the citizens of north-central West Virginia based on needs of the community and region
- Focus on development of cognitive, affective, and psychomotor skills to foster individual growth, career development, responsible citizenship, and commitment to lifelong learning

The College concentrates its energies and resources on its students, many of whom are the first generation of their families to attend college, adults returning to college or enrolling in higher education for the first time, and transfer students from community and technical colleges. The College, therefore, offers its diverse student body a wide range of programs, flexible scheduling, and support services, all designed to foster success. To strengthen intellectual development, all students pursuing a degree at Pierpont Community & Technical College are engaged in a general education program, a body of coursework designed to expand their knowledge of civilization, society, scientific inquiry, and artistic expression while preparing them to think about interrelationships among disciplines and prepare for a lifetime of learning.

The College is committed to student learning and focuses its resources on programs that prepare students for careers and advanced education in West Virginia and beyond. Pierpont Community & Technical College provides a broad spectrum of degree options in business and offers programs with specialized accreditation in engineering technology and health careers. As a multipurpose institution, Pierpont Community & Technical College provides seamless transitions from public schools or certificate programs or associate degrees to baccalaureate degrees.

Pierpont Community & Technical College is closely identified with its community. Partnerships with business and industry, public schools, government agencies, and other organizations contribute to economic development; the College fosters enlightened and productive citizenship in its immediate location, the region, and the world.

PHILOSOPHY AND OBJECTIVES

Pierpont Community & Technical College, an undergraduate institution operating under the authority of the Pierpont Board of Governors, is governed by its president with the aid and advice of its Board of Governors, administrators, Faculty Assembly, Classified Staff Council, and Student Government.

The College offers programs for career/technical education and grants a one-year certificate and the degrees of Associate in Arts, Associate in Science, or Associate in Applied Science after two years of study.

Pierpont Community & Technical College considers that its broad objective is to educate its students as intelligent and productive persons, capable of participating in and understanding the world of the twenty-first century. Accordingly, the College seeks to provide a suitable environment for free and responsible inquiry into the nature, sources, and implications of human knowledge and culture; and it challenges students to promote their own intellectual, social, and personal development.

The College faculty serves this objective by guiding students in acquiring knowledge and by maintaining a dialogue with them. The College fully supports the ideal of a well-educated society and upholds the academic freedom of its faculty and students, confident that the best interests of the community are served when the search for truth is imaginative and vigorous.

The College follows a liberal policy of student admissions and believes that it can help highly-motivated students to overcome many deficiencies in their academic preparation. Because academic standards are high, the Pierpont Community & Technical College degree represents a level of achievement respected throughout the nation.

Drawing many students from its immediate vicinity, the College welcomes the enthusiastic support it receives from Fairmont and surrounding areas. In return it participates actively in community projects, shares its programs and facilities with the public, and serves the community as a center of information and culture.

Specifically, the mission of Pierpont Community & Technical College is to provide programs needed by those in its geographic service area to the extent permitted by its financial and human resources and its assigned role in the State's system of public higher education. This mission is accomplished by meeting these objectives:

- Providing a variety of vocational/occupational programs of two years duration or less.
- Providing opportunities for occupationally-oriented study through expansion of existing industrial technology programs and the development of additional career-related curricula.
- Bringing selected college study opportunities into communities in the College's service region through the use of the mass media, regional educational centers, external degree programs, and other forms of nontraditional study.
- Encouraging a broad segment of the populace, including various age groups and the economically deprived, to avail themselves of educational opportunities.
- Serving the greatest number of students by holding College costs at the lowest possible level and providing financial support to those who need it to gain equal access to higher education.
- Relating the breadth of the curriculum to the availability of appropriate employment opportunities and the needs of business, industrial, and public service agencies in the College's service area.
- Offering continuing education programs to provide career updating, cultural enrichment, and personal skill development.
- Providing advisory, counseling, and placement services to enable students to make satisfactory decisions about academic and personal problems and to make successful career and employment choices.
- Offering a variety of cultural, recreational, and social activities to complement academic pursuits.

ACCREDITATION

Of great importance to the reputation of a college is how it ranks scholastically with other colleges. Accreditation means that a college has been carefully evaluated and approved in its governance, in each curriculum, in the quality of its faculty, in the adequacy of facilities, library, equipment, and laboratories.

To assure its stature and academic excellence, a college obtains accreditation from both regional and national agencies and professional organizations and joins certain accrediting organizations.

Pierpont Community & Technical College is accredited by the Higher Learning Commission, the North Central Association, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, (800) 621-7440.

Selected programs of Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, (410) 347-7700. The A.A.S. degree in Aviation Maintenance Technology is approved by the Federal Aviation Administration and meets 15 requirements of Federal Aviation Regulation 147. Food Service programs are accredited by American Culinary Federation. Two programs are recognized by the National Restaurant Association.

Health Career programs are accredited by their respective accrediting agencies. The Medical Laboratory Technology program is accredited by the National Accreditation Agency for Clinical Laboratory Sciences; the Health Information Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs; the Veterinary Technology program is accredited by the Veterinary Medical Association; and the Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

Pierpont Community & Technical College is also a member of the American Association of State Colleges and Universities, American Council on Education, American Library Association, West Virginia Library Association, West Virginia Press Association, and American Association of Community Colleges.

OPEN ADMISSIONS PHILOSOPHY

Pierpont Community & Technical College operates an "open door" admission policy. Admission is open to anyone with a high school diploma or GED or ACT/SAT scores or Compass test scores and who is beyond the age of compulsory attendance in the state of West Virginia. Even without a high school diploma, individuals may enroll in many of the Community & Technical College courses, as a special student. This "open door," however, does not guarantee an education to everyone, but it does make it possible for everyone to enter the College and to have the opportunity to pursue programs in higher education to the limit of their ability and particular potential.

Eligibility to enroll in the Community & Technical College does not necessarily imply eligibility to enter all its degree programs, several of which may be competitive and limited in the number of students admitted.

Since competitive programs have limited enrollment, applicants should complete the ACT or SAT early and have their high school transcripts forwarded early in the fall. To insure consideration, students are required to make early application with test scores and transcripts. Students applying for scholarships should have transcripts forwarded early in the fall.

A minimum of 2.0 (C) grade average for all courses attempted and for all courses in the area of specialization is required for graduation with an associate degree or a one year certificate. Students also must have completed at least 15 credit hours of the total hours required in an associate degree or 8 credit hours of the total required in a certificate program.

GENERAL ADMISSION PROCEDURE

Students seeking admission to Pierpont Community & Technical College must file an application for admission. Application and supporting credentials must be on file at least two weeks prior to the opening of a semester or term. All credentials submitted in support of an application for admission become the property of the College and will not be returned to the student. Any student admitted upon the basis of false credentials will be subject to immediate dismissal from the institution.

Students who fail to register during the semester or term for which they have been admitted must file another application in order to gain admission at a later date. Separate applications for residence halls must be submitted to the Office of Residence Life.

All Pierpont C&TC students seeking full time admission who do NOT have ACT/SAT scores within the past five years that meet all freshman placement standards must take the COMPASS test(s).

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS: DEGREE-SEEKING ADMISSIONS REQUIREMENTS

First-Time Freshman:

1) Application for Admission
2) Official High School Transcript (sent by high school)

   -or-

   official GED (sent by Department of Education)

   -or-

   ACT/SAT Scores

   -or-

   Placement Tests (to be administered by the college at no cost)
3) Immunization Record – Measles, Mumps & Rubella (MMR) (if born after January 1, 1957)

Transfers

1) Application for Admission
2) College Transcript (from accredited institution(s); if transferring fewer than 15 earned credit hours, ACT, SAT, COMPASS, or other approved institutional test scores are also required. ACT/SAT with specific scores may be the required test for specific programs; please refer to the catalog for details.)
3) Immunization Record – Measles, Mumps & Rubella (MMR) (if born after January 1, 1957)

Probation

Students who are on probation from another institution with lower than a 2.0 GPA must submit a high school transcript or a GED and ACT, SAT, COMPASS, and will be admitted on probation.

Suspension

Pierpont Community & Technical College will evaluate on a case by case basis petitions from the students who apply for admission while on academic suspension from another institution or from FSU. In general, only students wishing to do remedial work will be granted admission prior to the suspension being removed.

NON DEGREE-SEEKING ADMISSION REQUIREMENTS

(High School students and transient students)

1) Application for Admission
2) Letter of Certification (only for high school students-principal granting permission for students to take class, and for transient students-home institutions granting permission to take transferable class(es).

(After completion of 12 credit hours, students wishing to seek a degree must submit an application for admission and additional credentials and/or be tested for placement).

THE AMERICAN COLLEGE TEST/ SCHOLASTIC APTITUDE TEST

Some degree and certificate programs in Pierpont Community & Technical College require applicants to provide American College Test (ACT) or Scholastic Aptitude Test (SAT) scores. All students are encouraged to take the ACT or SAT, because scores on the test are used in placing students in English and Mathematics, for scholarships and loans, and in the academic counseling program. High school students are urged to take the test during their junior year. Financial aid applicants should take the test either during the summer prior to the beginning of the senior year, or on the September or October dates.

For information concerning registration and test dates for the ACT National Exam, please visit the official ACT website, www.act.org. Fairmont State University's ACT Coordinator, Charley Hively, can also answer questions regarding registration, test dates, and ACT residual testing. You can reach him at Charley.Hively@fairmontstate.edu or by calling (304)367-4617.

IMMUNIZATION REQUIREMENT

All students of the State System of Higher Education under the jurisdiction of the State College System Board of Directors who were born after January 1, 1957, are required to provide proof of immunity to measles, mumps and rubella. Students are requested to provide proof of immunity on or before the date of enrollment. Meningococcal vaccine is strongly recommended. Other immunizations recommended include: Polio Series, Tetanus-Diptheria-Pertussis (Td and aP, or Tdap within the past 5 years), Hepatitis A Vaccine, Hepatitis B Series, Varicella Vaccine (or history of chicken pox), and/or Annual Influenza Vaccines. Please contact Student Health Services for information on any of the listed vaccinations and how they may be obtained by calling (304)367-4155.

ADMISSION AS NON DEGREE-SEEKING

(Nonmatriculant)

Admission to Pierpont Community & Technical College as a non degree-seeking or nonmatriculant student is open to anyone who has completed fewer than 15 semester hours cumulative at any college or university. The student must be a high school graduate or a GED recipient. Admission is intended for students registering for occasional college courses with no degree objective. Students may complete up to a cumulative total of 15 hours of college credit. A student who has completed 15 hours of regular college credit is required to apply for admission to Pierpont Community & Technical College for further study and meet all the requirements for admission for a specific degree or certificate objective.

HIGH SCHOOL STUDENTS

Outstanding high school students may be admitted as non degree-seeking students only, either in the summer following completion of the junior year in high school or during the senior year in high school. No more than 15 hours may be earned before admission as a regular student. In addition a student must meet the following criteria:

1) File an application for admission.
2) Complete the junior year of the high school curriculum.
3) Maintain a minimum 3.0 high school grade point average.
4) Receive recommendation of the high school principal.
5) Pay regular college fees.

SPECIAL ADMISSION FOR HIGH SCHOOL NONGRADUATES

Students who are not high school graduates may be admitted to Pierpont Community & Technical College by passing the General Educational Development (GED) Tests. They must be veterans, or persons over 19 years of age, or persons past the age they would have been had they remained in high school until they graduated. Such persons must have been out of school more than one year preceding application for admission. GED results must be sent directly to the Office of Admissions from the testing center.

INTERNATIONAL STUDENTS

Admission files must be complete six weeks prior to the start of the semester. Upon acceptance, information will be entered into SEVIS and an I-20 will be issued for application of F1 Visa. Admission application forms and credentials include:

1) Application for admission
2) TOEFL (Test of English as a Foreign Language) score of 173 computer or 61 Internet
3) Proof of financial support

4) Housing, if applicable
5) Official certified English translation of high school transcript
6) Official course by course certified English translation of college transcript, if applicable
7) Proof of immunization
8) Proof of health insurance
9) Transfer eligibility form

TRANSFER STUDENTS

Any applicant for admission to Pierpont Community & Technical College who has attended another institution of collegiate rank will be classified as a transfer student. The College does not, under any conditions, disregard college level work earned elsewhere. Credit earned at other accredited colleges and universities will be allowed toward a degree if applicable. Transfer students must meet the admission requirements of Pierpont Community & Technical College. They must provide evidence of good standing at the institution last attended, and must have maintained a 2.0 or better average on all college work previously attempted.

Credits and grades earned at any public institution governed by the Higher Education Policy Commission shall be transferable to Pierpont Community & Technical College. Only credit hours transfer from all other accredited schools for eligible courses.

Students transferring fewer than 15 hours must provide an official copy of the high school transcript and ACT or SAT scores, along with a copy of the college transcript. These students must also meet admission requirements of the program into which they are transferring.

Students in associate degree or certificate programs who have a 2.0 high school grade average (GPA) and at least a composite score of 18 on the Enhanced American College Test (ACT) or 870 on the Scholastic Aptitude Test (SAT) and have completed the minimum high school unit requirements listed above may transfer to a four-year bachelor degree program by the deadline.

Students in associate degree or certificate programs who do not meet the requirements of a high school grade point average of 2.0 and the Enhanced American College Test (ACT) composite score of 18 or 870 on the Scholastic Aptitude Test (SAT) may qualify for transfer to a bachelor degree program upon completion of 24 semester hours with a 2.0 college grade point average. Students in this category who qualify for transfer to a bachelor degree program are required to make formal application for transfer. Further, this application for transfer must be submitted to and approved by the Office of Admissions.

TRANSFERRING CORE COURSEWORK

According to Series 17, Policy Regarding the Transferability of Credits and Grades at the Undergraduate Level, students who transfer from one state college or university to another may transfer core coursework that will count toward fulfillment of general studies requirements at the receiving institutions.

Under the terms of the agreement, a student may transfer up to thirty-five credit hours of undergraduate coursework in the areas of English composition, communications and literature, fine arts appreciation, mathematics, natural science, and social science as general studies credits. Copies of the agreement are available in the Student Services Center.

CONSORTIUM AGREEMENT

The Presidents of Glenville State College, Pierpont Community & Technical College, Fairmont State University, and West Virginia Northern Community College have entered into a collaborative consortium agreement for our students. Basically, this agreement acts as a more direct process for transient students at the four institutions, allowing for enrollment to occur at two institutions at the same time. New students need to contact the Office of Admissions for information; current students need to contact the Student Services Center.

ADMISSION POLICY FOR LIMITED ENROLLMENT PROGRAMS

Competitive programs requiring separate applications are listed below. The program application, $20 nonrefundable application fee, high school transcript/GED scores, ACT/SAT/COMPASS scores (Physical Therapist and Radiologic Technology do not accept COMPASS), college transcript (if applicable) and any other required information must be on file by the deadline listed on the program application.

The credentials are collected by the Office of Admissions and are submitted to the appropriate selection committee for consideration. Any application received after that date will be considered only on a space-available basis. All applicants are notified by letter concerning their admission status to the program.

Selection criteria are based primarily on academic background with some flexibility concerning life experience and training. Strong mathematics and science background is highly recommended. Consideration will be given to students who have successfully completed college course work. Students with a college cumulative grade point average of less than 2.0 must remedy this situation before they can be eligible for admission to the programs. Students who have completed a GED must show evidence of successful completion of required prerequisite courses.

Competitive Programs:

*Culinary Arts
*Health Information Technology
*Medical Laboratory Technology
*Pastry and Baking Arts
Physical Therapist Assistant
Radiologic Technology
Respiratory Care
*Veterinary Technology

*Applications will be accepted after the deadline; however, preference will be given to those students who meet the deadline date. Applications will be accepted until the class is filled. Application deadlines for these programs are listed on the individual program applications as well as the general admissions application.

Each competitive program has a separate application and a $20 nonrefundable application fee. All documents must be on file by the deadline. All applications of persons interested in the specific programs will be given every consideration in the selection process.

See specific program requirements in the 'Program of Study' section of the catalog, or go to our website www.pierpont.edu, or students should check with the coordinators of the programs for other specific requirements.

CONTINUING EDUCATION UNITS

Various activities of community interest are provided by the College with recognition as Continuing Education Units (CEU). Permanent records of CEU completions are kept on file. CEU credit is not accepted toward completion of degree requirements. Continuing Education classes receive the designation S (Satisfactory) or U (Unsatisfactory).

A grade of S in the Continuing Education Teacher Professional Development courses, designated with the course prefix XEDU, is equivalent to a B or better.

ADVANCED PLACEMENT

Advanced placement and/or credit will be granted to entering freshmen who have qualified on the basis of the tests of the Advanced Placement Program of the College Entrance Examination Board. Scores of three, four, or five are required.

PHYSICAL EXAMINATION

Physical examinations are not required for admission to Pierpont Community & Technical College, but all Health Careers students must have a physical examination prior to entering any Health Careers program; forms should be submitted to Program Coordinators. All Early Childhood students must have a physical examination prior to entering the program; documentation of examination should be submitted to the Early Childhood Program Coordinator.

SCHEDULING CLASSES

At the beginning of each semester or term (and within the designated time frame), all students are expected to complete registration. Orientation programs are offered prior to each semester and all newly-admitted students are invited to attend. During Orientation, students register for classes, obtain parking passes, I.D. cards, and more.

While all students are expected to register on time, late registration periods are permitted with prescribed limits as set forth in the schedule. Late registration fees are assessed in accordance with the fee schedule cited under Special Fees.

ADMISSION TO COLLEGE LEVEL ENGLISH AND MATH COURSES

The Community and Technical College System of West Virginia has adopted the following requirements for students before they are permitted to enroll in college-level mathematics and English courses:

ENGLISH

Students may not enroll in English 1104 unless the minimum score prescribed below is earned on at least one of the following tests:

a) A score of 18 or above on the English section of the ACT.
b) A score of 450 or above on the critical reading portion of the SAT-1.
c) A scaled score of 38 on the writing skills test of the ASSET.
d) A score of 71 or above on the writing skills test of the COMPASS.
e) A scaled score of 88 on the Sentence Skills test of the College Board's ACCUPLACER Testing System.
f) Satisfactory performance on a writing sample administered by each institution.

Students not meeting any one of the above standards must successfully complete ENGL 0097 before enrolling in ENGL 1104.

MATHEMATICS

Students may not enroll in a mathematics course unless the minimum score prescribed below is earned on at least one of the following tests:

a) A score of 19 or above on the mathematics section of the ACT.
b) A score of 460 or above on the quantitative portion of the SAT.
c) A scaled score of 40 on the numerical test and 38 on the elementary algebra test of the ASSET.
d) A scaled score of 59 on the pre-algebra test and a scaled score of 36 on the algebra test of the COMPASS.
e) A scaled score of 85 on the arithmetic test and 84 on the elementary algebra test of the College Board's ACCUPLACER Testing System.

Students not meeting any one of the above standards must successfully complete MATH 0095 before enrolling in an introductory college credit math course. NOTE: Students may also be required to complete MATH 0093, General Math, and or MATH 0094, Pre-Algebra, before being permitted to enroll in MATH 0095.

Pierpont Community & Technical College offers the COMPASS test during semester registration periods on main campus and at several satellite locations. COMPASS testing is free of charge. Students may take a COMPASS test up to two times for placement per semester. A COMPASS score is valid for up to two years. Students who enter Pierpont C&TC without a high school diploma or GED must take both an Algebra and Pre-Algebra placement test in order to demonstrate 'ability to benefit' for financial aid. Students who do not have a high school diploma or GED should notify the placement testing administrator of this to ensure they are administered the appropriate tests.

All developmental skills courses (those for math and English courses with course numbers below 0100) must be completed within a student's first 32 credit hours.

COMPASS TESTS AND ACADEMIC SKILLS DEVELOPMENT

If a student's ACT/SAT scores fall below the following cutoff, s/he must take a COMPASS placement test, and may need to enroll in the appropriate Academic Skills classes described below.

ACT Cutoff Scores:
17 on the Reading test
18 on the English test
19 on the Mathematics test

SAT Cutoff Scores:
450 critical reading
460 quantitative

COMPASS tests, designed by ACT, are designed to accurately measure a student's academic capabilities. These tests are taken on the computer and are multiple-choice. They are not timed. The student does not need any computer experience. For more information on COMPASS tests, contact Nancy Parks, Director of Assessment, Pierpont C&TC at (304) 367-4990 or nparks@pierpont.edu.

Academic Skills Courses
ENGL 0097, Composition Skills
MATH 0093, General Math
MATH 0094, Pre-Algebra
MATH 0095, Elementary Algebra

AUDITING COURSES

Students may be permitted to attend classes as auditors if they obtain written permission from their advisor and instructors in the classes they want to audit. No student who enrolls in any class as an auditor may, in the same semester, be considered as enrolled in the class for the purpose of obtaining credit.

Auditors are required to complete the regular registration forms and pay regular fees.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may earn course credit by special examination. To apply for permission for such an examination, applicants must be admitted to Pierpont Community & Technical College. Applicants must first schedule an interview with the program coordinator or an examiner designated by the Dean or Vice President, who will evaluate the student's background, experience, and qualifications to establish eligibility and give permission to take the examination. In order to gain college credit by special examination, students must demonstrate better than average proficiency on the examination, as determined by the examiner. Examinations will not be given for college courses in which students have previously received a grade other than"W.'

Applicants must pay a fee of $22.00 per semester credit hour for each special examination. A receipt for the payment of the fee must be obtained from the Student Services Center. No money will be refunded if any examination is failed. No examination may be repeated.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Course credit may be earned through the College Level Examination Program. Information about course credits, available examinations, and costs and procedures is available from the Center for Workforce Education at 367-4920.

ARTICULATION POLICY

Articulation between Pierpont Community & Technical College and regional high schools and vocational-technical centers permits students to receive college credit for certain course competencies and Tech Prep programs of study completed at the secondary level. Students are permitted to enter college at their level of competency and avoid duplication of course work. Students should contact their high school or Vocational Technical Center counselor for specific information concerning the articulation process.

ACADEMIC CREDIT FOR MILITARY SERVICE

Students who have completed basic training in military service may be granted a maximum of four semester hours' credit, which may be used to satisfy General Studies physical education and/or elective requirements. It is the student's responsibility to request this credit and to verify military experience to the Registrar.

ADVANCED STANDING

Based on the high school record and performance on the ACT or SAT, the Registrar will determine eligibility for advanced standing and credit in English and foreign language as follows:

English: Students may receive three hours of college credit in ENGL 1104 and may enroll in ENGL 1108 if they present four units of high school English with no semester grade of less than a 'B' and a standard score of 25 or higher on the English section of the Enhanced ACT or 570 on the English part of the recentered SAT.

Foreign Language: Students who present one or more units of high school FREN or SPAN may enroll in FREN 1102 or SPAN 1102. Students who present two or more units of high school French or Spanish may enroll in FREN 2201 or SPAN 2201.

French or Spanish minor and French major: Students electing a minor in French or Spanish or a major in French may satisfy the elementary level requirement, FREN 1101 and 1102, or SPAN 1101 and 1102, by presenting two or more units of high school French or Spanish. These hours will not be recorded as college credit but will fulfill the requirement for the first six hours of the major or minor.

In order to receive college credit, students must take the appropriate CLEP or in-house exam.

OFF-CAMPUS CLASSES

Pierpont Community & Technical College offers off-campus classes at Vocational Technical Centers and high schools throughout the 13 counties of North Central West Virginia. Coordination between on-campus full-time faculty and adjunct faculty who teach off-campus courses assures the same standards of quality as those courses offered on campus. Students may enroll in off-campus courses and transfer earned credit to the community college or the university. All off-campus classes are governed by the policies and procedures in effect at FSU & Pierpont.

OFF-CAMPUS PROGRAMS

Pierpont Community & Technical College offers a variety of courses at more than 15 sites a semester in a 13-county service area through Off-Campus Programs.

The northern service area includes classes at technical centers and high schools in Barbour, Doddridge, Marion, Monongalia, Preston and Taylor Counties. Evening classes are scheduled for traditional and adult learners with additional classes offered for high school students on-site during the day.

The Lewis County Center of Pierpont Community & Technical College is located in the Lewis County High School and offers a full range of classes in the fall, spring and summer semesters. The Center encompasses a six-county region which includes Braxton, Calhoun, Gilmer, Randolph, Upshur and Lewis. The Center serves both traditional and non-traditional students, with admission applications, academic advising/scheduling, first year student testing, financial aid, and payments.

Coordination between on-campus full-time faculty and adjunct faculty who teach off-campus courses assures the same standards of quality as those offered on campus. All off-campus classes are governed by policies and procedures in effect at Pierpont Community and Technical College.

ORIENTATION

The New Student Orientation program hosted by FSU and Pierpont is a comprehensive, one-day program intended for incoming freshmen, transfer and readmitted students, as well as parents and/or guardians. Special evening programs geared toward adult and veteran students are offered in addition to the day-time programs. All new students are expected to attend Orientation, a vital first step into collegiate life.

During Orientation, each incoming student will consult with an academic advisor, schedule and register for classes, activate his or her student Unified College Account (UCA) email account, secure a photo ID card and much, much more. Orientation attendees will become familiar with the entire campus and all of its services, from residence halls to financial aid. New students and parents will learn about the institution's important calendars, offices, policies and procedures and will also meet current students, faculty, staff, and administrators.

Orientation programs occur prior to each academic semester. Each newly admitted student will automatically receive an Orientation reservation by mail, which will offer instruction on how to RSVP for the appropriate program.

For more information, please visit the Orientation website by selecting 'Orientation' from the Admissions menu on either homepage. Or, contact Stephanie Miller, Special Events Coordinator; Office of Admissions & Recruitment; 218 Hardway Hall; (304)367-4892; (800) 641-5678; Stephanie.Miller@fairmontstate.edu.

Fairmont State University

Fairmont State University, a comprehensive, multi-site, selective institution offers a quality education in a diverse and supportive learning environment that fosters individual growth, professional and career development, lifelong learning, global understanding, and a commitment to excellence in academic and community pursuits. Serving the citizenry of north-central West Virginia and beyond, Fairmont State University is a student-centered institution of first choice among students who desire a flexible and relevant learning experience. The University provides a well-rounded education, enabling students to gain the knowledge and skills needed for self-fulfilling, responsible citizenship and employability in a rapidly changing global environment.

The University concentrates its energies and resources on its students, many of whom are the first generation of their families to attend college, adults returning to college or enrolling in higher education for the first time, and transfer students from community and technical colleges. The University, therefore, offers its diverse student body a wide range of programs, flexible scheduling, and support services, all designed to foster success in the modern world. To strengthen intellectual development, all students pursuing a degree at Fairmont State University are engaged in a general education program, a body of coursework designed to expand their knowledge of civilization, society, scientific inquiry, and artistic expression while preparing them to think critically and communicate clearly. Through these studies, students also explore the interrelationships among disciplines and prepare for a lifetime of learning.

The University is committed to student learning and focuses its resources on programs that prepare students for careers and advanced education in West Virginia and beyond. Along with its significant history of teacher education, Fairmont State University provides a broad spectrum of degree options in business, fine and liberal arts, and social and natural sciences and offers programs with specialized accreditation in engineering technology and health careers. Fairmont State University provides seamless transitions from public schools or certificate programs or associate degrees to baccalaureate degrees. In keeping with its tradition of academic excellence, the University promotes graduate education by offering select graduate programs and by providing on-campus access to graduate programs of other institutions.

Fairmont State University is closely identified with its community. Partnerships with business and industry, public schools, government agencies and other organizations contribute to the economic, cultural, and social development of the region. Through these community relationships and educational programs, the University fosters enlightened and productive citizenship in its immediate locale, the region, and the world.

MISSION STATEMENT

The Mission of Fairmont State University is to provide opportunities for individuals to achieve their professional and personal goals and discover roles for responsible citizenship that promote the common good.

VISION STATEMENT

Fairmont State University aspires to be nationally recognized as a model for accessible learner-centered institutions that promote student success by providing comprehensive education and excellent teaching, flexible learning environments, and superior services. Graduates will have the knowledge, skills, and habits of mind necessary for intellectual growth, full and participatory citizenship, employability, and entrepreneurship in a changing environment.

PHILOSOPHY AND OBJECTIVES

Fairmont State University considers its broad objective to be the education of its students as intelligent and productive persons, capable of participating in and understanding the world of the twenty-first century. Accordingly, the University seeks to provide a suitable environment for free and responsible inquiry into the nature, sources and implications of human knowledge and culture, and it challenges students to promote their own intellectual, social, and personal development.

The University faculty serves this objective by guiding students in acquiring knowledge and by maintaining a dialogue with them. The University fully supports the ideal of a well-educated society and upholds the academic freedom of its faculty and students, confident that the best interests of the community are served when the search for truth is imaginative and vigorous.

The University follows a liberal policy of student admissions and believes that it can help highly-motivated students to overcome many challenges in their academic preparation. Because its academic standards are high, the Fairmont State University degree represents a level of achievement respected throughout the nation.

The University has a traditional interest in preparing teachers for public schools in West Virginia, as well as in other states. Recognizing the importance of able teachers to a progressive society, it requires outstanding academic performance of its teacher candidates and offers them sound professional training for elementary and secondary teaching.

Drawing many students from its immediate vicinity, the University welcomes the enthusiastic support it receives from Fairmont and surrounding areas. In return it participates actively in community projects, shares its programs and facilities with the public and serves the community as a center of information and culture.

Specifically, the mission of Fairmont State University is to provide programs needed by those in its geographic service area, to the extent permitted by its financial and human resources and its assigned role in the state's system of public higher education. This mission is accomplished by meeting these objectives:

- Offering a broad range of traditional baccalaureate degree programs in the arts and sciences, teacher education, and business administration;
- Providing opportunities for occupationally-oriented baccalaureate study through expansion of existing industrial technology programs and the development of additional career-related curricula;
- Bringing selected study opportunities into communities in the University's service region through the use of the mass media, regional educational centers, external degree programs, and other forms of nontraditional study;
- Encouraging a broad segment of the populace, including various age groups and the economically deprived, to avail themselves of educational opportunities;
- Serving the greatest number of students by holding University costs at the lowest possible level and providing financial support to those who need it to gain equal access to higher education;
- Relating the breadth of the curriculum to the availability of appropriate employment opportunities and the needs of business, industrial and public service agencies in the University's service area;
- Offering continuing education programs to provide career enhancement, cultural enrichment and personal skill development;
- Providing advisory, counseling, and placement services to enable students to make satisfactory decisions about academic and personal problems and to make successful career and employment choices;
- Offering a variety of cultural, recreational, and social activities to complement academic pursuits.

DESIRED PROFILE OF A FAIRMONT STATE UNIVERSITY UNDERGRADUATE

Students enrolled at Fairmont State University should work to develop the following profile, consistent with the length and focus of their programs.

Students should:

1) Develop competence in the following skills to aid them in making decisions about personal values and career

strategies: critical analysis, quantitative literacy, oral and written communication, reading, teamwork, information literacy, problem solving, and technological literacy.

2) Demonstrate proficiency in their major fields of study that will enable them to compete in the global job market and pursue additional levels of formal education.

3) Understand the responsibilities of citizens, participate in the democratic process, and contribute to their society.

4) Embrace and act upon an ethical view that respects the life, property, opinions, and feelings of others.

5) Acquire the knowledge and habits that lead to physical and mental health and well-being.

6) Understand the complementary nature of their liberal and professional studies and develop the capacity for independent, lifelong learning.

7) Acquire an informed appreciation of the arts, the humanities, and the social and natural sciences.

8) Develop sensitivity in matters of local and global social justice, respecting and appreciating differences among individuals and societies.

Our Core Values: SOAR

Scholarship:	To celebrate the joy and wonder of discovery.
Opportunity:	To grow, learn, engage, and contribute.
Achievement:	To reach personal and community goals.
Responsibility:	To fulfill obligations to our selves, the learning community, our society, and the future.

ACCREDITATION

Of great importance to the reputation of a university is how it ranks scholastically with other institutions. Accreditation means that a university has been carefully evaluated and approved in its governance, in each curriculum, in the quality of its faculty, in the adequacy of facilities, library, equipment, and laboratories.

To assure its stature and academic excellence, a university obtains accreditation from both regional and national agencies and joins certain accrediting organizations.

Fairmont State University is accredited by The Higher Learning Commission and is a member of the North Central Association, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504,(800) 621-7440.

The Teacher Education program is approved by the West Virginia Board of Education and accredited by the National Council for the Accreditation of Teacher Education. In addition, selected teaching specializations are nationally approved by their respective learned society and/or professional organization.

Selected programs in the Department of Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, Maryland 21202-4012, (410) 347-7700. The following programs are currently accredited by TAC of ABET: A.S. and B.S. Civil, A.S. and B.S. Electronics, and A.S. and B.S. Mechanical Engineering Technology.

The A.S. Nursing program is accredited by the West Virginia Board of Examiners for Registered Professional Nurses and the National League for Nursing Accrediting Commission; the B.S. Nursing program is accredited by the Commission on Collegiate Nursing Education.

The University is also a member of the American Association of Colleges for Teacher Education, American Association of State Colleges and Universities, American Council on Education, National League for Nursing, American Library Association, West Virginia Library Association, and West Virginia Press Association.

GENERAL ADMISSION PROCEDURE

Students seeking admission to Fairmont State University must be of the age of compulsory attendance in the state of West Virginia and file an application for admission. Application and supporting credentials must be on file at least two weeks prior to the opening of a semester or term. All credentials submitted in support of an application for admission become the property of the University and will not be returned to the student. Any student admitted upon the basis of false credentials will be subject to immediate dismissal from the University.

Students who fail to register during the semester or term for which they have been admitted must file another application in order to gain admission at a later date. Separate applications for residence halls must be submitted to the Office of Residence Life. Any change in local address of any student at Fairmont State University must be reported to the Registrar.

The application for admission must specify the student's desired degree or program objective. Admission to Fairmont State University does not guarantee admission to specific programs, which may be restricted due to limitations of staff, physical facilities, and space available for experiential training. The standards and procedures for admission to limited-enrollment programs are presented later in this section.

REQUIRED FORMS AND CREDENTIALS

All students applying for admission to Fairmont State University degree programs are required to complete and submit the following forms and credentials:

1) Admission application
2) Housing and financial aid request forms (if applicable)
3) Official high school transcript (except transfer students having a 2.0 average and at least 24 hours of completed coursework)
4) Official college transcripts (if student has transfer credit)
5) Official ACT or SAT scores with writing assessment (if applicable)
6) GED scores where applicable
7) Immunization Records (if born after January 1, 1957)

THE AMERICAN COLLEGE TEST/ SCHOLASTIC APTITUDE TEST

Fairmont State University requires the American College Test (ACT) or Scholastic Aptitude Test (SAT) of all applicants unless you have graduated high school or completed GED requirements more than five years prior to seeking admission. ACT or SAT scores are used to determine student placement in English and mathematics courses, for scholarships and loans, and for academic advising purposes. High school students are urged to take the test during their senior year. Financial aid applicants should take the test either during the summer prior to the beginning of the senior year, or on the September or October dates.

For information concerning registration and test dates for the ACT National Exam, please visit the official ACT website, www.act.org. Fairmont State University's ACT Coordinator, Charley Hively, can also answer questions regarding registration, test dates and ACT residual testing. You can reach him at charley.hively@fairmontstate.edu or by calling (304)367-4617.

IMMUNIZATION REQUIREMENT

All students under the jurisdiction of the Higher Education Policy Commission who were born after January 1, 1957, are required to provide proof of immunity to measles, mumps and rubella. Students are requested to provide proof of immunity on or before the date of enrollment. Meningococcal vaccine is strongly recommended. Other immunizations recommended include: Polio Series, Tetanus-Diptheria-Pertussis (Td and aP, or Tdap within the past 5 years), Hepatitis A Vaccine, Hepatitis B Series, Varicella Vaccine (or history of chicken pox), and/or Annual Influenza Vaccines. Please contact Student Health Services for information on any of the listed vaccinations and how they may be obtained by calling (304)367-4155.

BACHELOR'S DEGREE PROGRAMS ADMISSION REQUIREMENTS

Admission to four-year bachelor's degree programs is open to graduates of approved high schools who have a 2.0 high school grade point average (GPA) and a minimum composite score of 18 on the Enhanced American College Test (ACT) or 870 on the Scholastic Aptitude Test (SAT)or at least a 3.0 high school gpa and SAT or ACT test scores. Exceptions to the above criteria are possible on a case-by-case basis. Applicants must also satisfy the following minimum high school unit requirements:

REQUIRED UNITS (Years)

4	English (including courses in grammar, composition, and literature)
3	Social Studies (including U.S. History)
4	Mathematics (three units must be Algebra I and higher)
3	Science (all courses to be college preparatory laboratory science, preferably including units from biology, chemistry and physics)
1	Arts
2	Foreign Language (two units of the same foreign language)

STUDENTS SEEKING A SECOND BACHELOR'S DEGREE

Students who have completed a baccalaureate degree from an accredited institution may pursue another degree as a postgraduate student. In order to be admitted, the student must submit an application and all college transcripts to the Fairmont State University Office of Admissions, 1201 Locust Avenue, Fairmont, WV 26554. General Studies, Major, and Minor requirements will be reviewed by the appropriate departments to determine what additional courses must be completed. While credit for the previously earned baccalaureate degree will be posted on the FSU transcript, no individual courses will be translated.

ADMISSION TO TEACHER EDUCATION

Admission to Teacher Education is selective. Please refer to the School of Education 'Program of Study' in the catalog for requirements.

ADMISSION TO ASSOCIATE DEGREE IN NURSING

The ASN program is a selective admission program. The deadline for application for the associate degree in Nursing is December 1. Students must first apply and be accepted into FSU or Pierpont C&TC. Then the student must submit an application to the ASN program, a $20 nonrefundable application fee, high school transcript/GED scores/LPN transcript, college transcripts (if applicable), required minimal TEAS test scores; have a 2.0 cumulative GPA, and any other required information or testing must be on file by the deadline. Fall semester grades will be counted for admission. Transcripts for fall semester grades from other institutions must be received by the Office of Admission by January 15. Seventh semester high school grades must be received by January 30.

The credentials are collected by the Office of Admissions and are submitted to the selection committee for consideration. All applicants are notified by letter concerning their admission status to the program.

Selection criteria are based primarily on academic background. Strong math and science background is highly recommended. Application and Admission Resources may be found at http://www.fairmontstate.edu/academics/nursingdept/resources/application/default.asp

ADMISSION TO COLLEGE LEVEL ENGLISH AND MATH COURSES

The West Virginia Higher Education Policy Commission has adopted the following requirements for students before they are permitted to enroll in college-level mathematics and English courses:

ENGLISH

Students may not enroll in English 1104 unless the minimum score prescribed below is earned on at least one of the following tests:

a) A score of 18 or above on the English section of the ACT.
b) A score of 450 or above on the critical reading portion of the SAT-1.
c) A scaled score of 38 on the writing skills test of the ASSET.
d) A score of 71 or above on the writing skills test of the COMPASS.
e) A scaled score of 88 on the Sentence Skills test of the College Board's ACCUPLACER Testing System.
f) Satisfactory performance on a writing sample administered by each institution.

Students not meeting any one of the above standards must successfully complete ENGL 0097 before enrolling in ENGL 1104.

MATHEMATICS

Students may not enroll in a mathematics course unless the minimum score prescribed below is earned on at least one of the following tests:

a) A score of 19 or above on the mathematics section of the ACT.
b) A score of 460 or above on the quantitative portion of the SAT.
c) A scaled score of 40 on the numerical test and 38 on the elementary algebra test of the ASSET.
d) A scaled score of 59 on the pre-algebra test and a scaled score of 36 on the algebra test of the COMPASS.
e) A scaled score of 85 on the arithmetic test and 84 on the elementary algebra test of the College Board's ACCUPLACER Testing System.

Students not meeting any one of the above standards must successfully complete MATH 0095 before enrolling in an introductory college credit math course. NOTE: Students may also be required to complete MATH 0093, General Math, and or MATH 0094, Pre-Algebra, before being permitted to enroll in MATH 0095.

FSU offers the COMPASS test during semester registration periods on main campus and at several satellite locations. COMPASS testing is free of charge. Students may take a COMPASS test up to two times for placement per semester. A COMPASS score is valid for up to two years. Students who do not have a high school diploma or GED should notify the placement testing administrator of this to ensure they are administered the appropriate tests.

All developmental skills courses (those for math and English courses with course numbers below 0100) must be completed within a student's first 32 credit hours.

COMPASS TESTS AND ACADEMIC SKILLS DEVELOPMENT

If a student's ACT/SAT scores fall below the following cutoff, s/he must take a COMPASS placement test, and may need to enroll in the appropriate Academic Skills classes described below.

ACT Cutoff Scores:

17 on the Reading test
18 on the English test
19 on the Mathematics test

SAT Cutoff Scores:

450 critical reading
460 quantitative

COMPASS tests, designed by ACT, are designed to accurately measure a student's academic capabilities. These tests are taken on the computer and are multiple-choice. They are not timed. The student does not need any computer experience. For more information on COMPASS tests, contact Nancy Parks, Director of Assessment, Pierpont C&TC at (304) 367-4990 or nparks@fairmontstate.edu.

Academic Skills Courses

ENGL 0097, Composition Skills
MATH 0093, General Math
MATH 0094, Pre-Algebra
MATH 0095, Elementary Algebra

ADVANCED STANDING

Based on the high school record and performance on the ACT or SAT, the Registrar will determine eligibility for advanced standing and credit in English and foreign language as follows:

English: Students may receive three hours of college credit in ENGL 1104 and may enroll in ENGL 1108 if they present four units of high school English with no semester grade of less than a 'B' and a standard score of 25 or higher on the English section of the Enhanced ACT or 570 on the English part of the recentered SAT.

Foreign Language: Students who present one or more units of high school French or Spanish may enroll in FREN 1102 or SPAN 1102. Students who present two or more units of high school French or Spanish may enroll in FREN 2201 or SPAN 2201.

French or Spanish minor and French major: Students electing a minor in French or Spanish or a major in French may satisfy the elementary level requirement, FREN 1101 and 1102, or SPAN 1101 and 1102, by presenting two or more units of high school French or Spanish. These hours will not be recorded as college credit but will fulfill the requirement for the first six hours of the major or minor.

ADVANCED PLACEMENT EXAMINATION (AP)

Fairmont State University recognizes certain examinations of the College Board Advanced Placement Program. Students who participate in the AP program and wish to have their scores evaluated for credit should have their scores sent to Fairmont State University. The AP examinations are prepared by the College Board, and the papers are graded by readers of the Educational Testing Service, Princeton, NJ 08540. Students cannot receive credit for a score below 3 on any exam. Students who do receive credit will be assigned the grade of CR, which is not calculated into the GPA.

Examination	Minimum Score	Credit Hours	Course Equivalent
Art (Studio)			
Studio Art - Drawing	3	3	Elective
Studio Art - 2 Design	3	3	Elective
Studio Art - 3 Design	3	3	Elective
Art History	3	3	Elective
Biology	3	8	BIOL Electives
Chemistry	3	8	CHEM 1101-1102
Classics			
Latin: Virgil	3	3	Not Offered at FSU
Computer Science			
Computer Science A	3	3	Elective
Economics			
Macroeconomics	3	3	ECON 2201
Microeconomics	3	3	ECON 2202
English			
English Lang. & Composition	3	3	ENGL 1104
English Composition & Lit	3	3	ENGL 2230
(9 units maximum for both tests)			
Environmental Science	3	4	Elective
Foreign Language			
Chinese Lang. & Culture	3	6	Not Offered at FSU
French Language	3	6	FREN 1101, 1102
German Language	3	6	Elective
Japanese Lang. & Culture	3	6	Not Offered at FSU
Spanish Language	3	6	SPAN 1101, 1102
Spanish Literature	3	6	SPAN Elective
Geography			
Human Geography	3	3	GEOG 2210
Government and Politics			
United States	3	3	POLI 1103
Comparative	3	3	POLI 2200
History			
United States	3	6	HIST 1107, 1108
European	3	6	HIST Elective
World	3	6	HIST 2211, 2212
Mathematics			
Calculus AB	3	4	MATH 1190
Calculus BC	3	4	MATH 1190
Calculus BC	4	4	MATH 1190 & MATH 3315
Statistics	3	3	PSYC 2240 or BUSN 3310 or SOCI 2240 or POLI 2240 or MATH 1113 or PSYC 2240
Music			
Theory	3	3	MUSI 1108(2 hr)
Physics			
Physics B	3	4	PHYS 1101
Physics B	4	8	PHYS 1101-1102
Physics C Mechanics	3	5	PHYS 1105
Physics C Electricity & Magnetism	3	5	PHYS 1106
Psychology			
Psychology	3	3	PSYC 1101

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

The College Level Examination Program (CLEP) provides students with the opportunity to demonstrate college-level achievement through a program of exams in undergraduate college courses. Students can reduce their costs in time and money by successfully completing CLEP tests for credit. The CLEP exams are prepared by the College Board and administered by Pierpont Community & Technical College. Students must achieve a minimum score of 50 to receive college credit. For additional information, contact the Center for Workforce Education at 367-4920.

Clep Examinations Accepted By FSU

CLEP Examination	FSU Course	Credit
Business		
Prin. of Macroeconomics	ECON 2201	3
Prin. of Microeconomics	ECON 2202	3
Prin. of Marketing	MKTG 2204	3
Prin. of Accounting	ACCT 2201/2202	6
Introductory Business Law	BUSN 3306	3
Prin. of Management	MGMT 2209	3
Chemistry		
Chemistry	CHEM 1101/1102	8
Composition/Humanities		
College Composition	ENGL 1104	3
Humanities	ART 1120	3
Sociology		
Introduction to Sociology	SOCY 1110	3
History		
History of U.S. II	HIST 1108	3
Western Civilization I	HIST 2211	3
Western Civilization II	HIST 2212	3
Language		
French	FREN 1101/1102	6
Spanish	SPAN 1101/1102	6
Math		
College Algebra	MATH 1112	3
College Algebra - Trig.	MATH 1112/1115	3
College Math	MATH 1107	3
Political Science		
American Government	POLI 1103	3
Psychology		
Introduction to Psychology	PSYC 1101	3

SPECIAL ADMISSION FOR HIGH SCHOOL NONGRADUATES

Students who are not high school graduates may be admitted to Fairmont State University by passing the General Educational Development (GED) Test and scoring at least a composite score of 18 on the ACT or 870 on the SAT. They must be either

1) veterans,
2) over 19 years of age, or
3) past the age they would have been at the completion of a traditional high school education. Such persons must have been out of school more than one year preceding application for admission.

GED results must be sent directly from the Testing Center to the Office of Admissions.

INTERNATIONAL STUDENTS

Admission file must be complete six weeks prior to the start of the semester. Upon acceptance, information will be entered into SEVIS and an I-20 will be issued for application of F1 Visa. Required application forms and credentials include:

1) Application for admission
2) A minimum TOEFL (Test of English as a Foreign Language) score of 173 computer or 61 internet

3) Proof of financial support
4) Housing (if applicable)
5) Official certified course-by-course English translation of high school transcripts
6) Official certified course by course English translation of college transcript (if applicable);
7) ACT (American College Test) or SAT (Scholastic Aptitude Test) scores
8) Proof of immunization
9) A brief resume of educational and work experience if the student has been out of high school or college for more than a year
10) Proof of health insurance.
11) Transfer eligibility form.

TRANSFER STUDENTS

Any applicant for admission to Fairmont State University who has attended another collegiate institution will be classified as a transfer student. Every effort will be made to allow credit earned at other accredited colleges and universities to count towards a degree at FSU. Transfer students must meet the previously stated admission requirements of Fairmont State University. They must provide evidence of good standing at the institution last attended and must have maintained a minimum 2.0 GPA.

Credits and grades earned at any public institution governed by the Higher Education Policy Commission shall be transferable to Fairmont State University. Only credit hours transfer from all other accredited schools for eligible courses.

Students transferring fewer than 24 semester hours must provide an official copy of the high school transcript and ACT or SAT scores, along with a copy of the college transcript. These students must also meet admission requirements of the degree or certificate program into which they are transferring.

TRANSFERRING CORE COURSEWORK

According to Series 17, Policy Regarding the Transferability of Credits and Grades at the Undergraduate Level, students who transfer from one state college or university to another may transfer core coursework that will count toward fulfillment of general studies requirements at the receiving institutions.

Under the terms of the agreement, a student may transfer up to thirty-five credit hours of undergraduate coursework in the areas of English composition, communications and literature, fine arts appreciation, mathematics, natural science, and social science as general studies credits. Copies of the agreement are available in the Student Services Center.

The following is a list of General Studies Requirements that may be fulfilled by comparable coursework at another institution. All other General Studies Requirements must be completed at FSU.

English Composition - 6 hours

ENGL	1104	Written English I	3
ENGL	1108	Written English II	3

Communication and Literature - 6 hours

COMM	2200	Intro. to Human Communication	3
ENGL	2220	Literature of the Western World I	3
ENGL	2221	Literature of the Western World II	3
ENGL	2230	Introduction to Literature I	3
ENGL	2231	Introduction to Literature II	3
ENGL	3391	The Short Story	3

Mathematics - 3-4 hours

MATH	1107	Fundamental Concepts of Mathematics	3
MATH	1112	College Algebra	3
MATH	1115	Trigonometry and Elementary Functions	4
MATH	1190	Calculus I	4

Natural Science - 8-10 hours

BIOL	1105	Biological Principles I	4
BIOL	1106	Biological Principles II	4
CHEM	1101	General Chemistry	4
CHEM	1102	General Chemistry	4
CHEM	1105	Chemical Principles I	5
CHEM	1106	Chemical Principles II	5
PHYS	1101	Introduction to Physics I	4
PHYS	1102	Introduction to Physics II	4
PHYS	1105	Principles of Physics I	4
PHYS	1106	Principles of Physics II	4
GEOL	1101	General Geology	4
GEOL	1102	General Geology	4

Social Science - 9 hours

ECON	2200	Economics	3
ECON	2201	Economic Principles	3
HIST	1107	U.S. History I	3
HIST	1108	U.S. History II	3
HIST	2211	History of Civilization I	3
HIST	2212	History of Civilization II	3
HIST	2213	History of Civilization III	3
POLI	1103	American Government	3
POLI	2200	Introduction to Political Science	3
PSYC	1101	Introduction to Psychology	3
SOCY	1110	Introduction to Sociology	3
SOCY	1111	Introduction to Anthropology	3

CONSORTIUM AGREEMENT

The Presidents of Glenville State College, Pierpont Community & Technical College, Fairmont State University, and West Virginia Northern Community College have entered into a collaborative consortium agreement for our students. This agreement acts as a more direct process for transient students at the four institutions, allowing for enrollment to occur at two institutions at the same time. New students need to contact the Office of Admissions for information; current FSU students should contact the Student Services Center.

CREDIT FROM A JUNIOR OR COMMUNITY COLLEGE

The maximum credit accepted from a Junior or Community College accredited by the North Central Association of Colleges and Schools or other regional accrediting association will not exceed 72 semester hours.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may earn course credit by special examination. To apply for permission for such an examination, applicants must be enrolled in the University or must have completed one semester or summer session in Fairmont State University. Applicants must first schedule an interview with the College or School Dean or department representative, who will evaluate the student's background, experience, and qualifications to establish eligibility and give permission to take the examination. In order to gain college credit by special examination, students must demonstrate better than average proficiency on the examination, as determined by the examiner. Examinations will not be given for college courses in which students have previously received a grade other than "W."

Applicants must pay a fee of $22.00 per semester credit hour for each special examination. A receipt for the payment of the fee must be obtained from the Student Services Center. No money will be refunded if any examination is failed. No examination may be repeated.

ORIENTATION

The New Student Orientation program hosted by FSU and Pierpont is a comprehensive, one-day program intended for incoming freshmen, transfer and readmitted students, as well as parents and/or guardians. Special evening programs geared toward adult and veteran students are offered in addition to the day-time programs. All new students are expected to attend Orientation, a vital first step into collegiate life.

During Orientation, each incoming student will consult with an academic advisor, schedule and register for classes, activate his or her student Unified College Account (UCA) email account, secure a photo ID card and much, much more. Orientation attendees will become familiar with the entire campus and all of its services, from residence halls to financial aid. New students and parents will learn about the institution's important calendars, offices, policies and procedures and will also meet current students, faculty, staff and administrators.

Orientation programs occur prior to each academic semester. Each newly admitted student will automatically receive an Orientation reservation by mail, which will offer instruction on how to RSVP for the appropriate program.

For more information, please visit the Orientation website by selecting 'Orientation' from the Admissions menu on either homepage. Or, contact Stephanie Miller, Special Events Coordinator; Office of Admissions & Recruitment; 218 Hardway Hall; (304)367-4892; (800) 641-5678; Stephanie.Miller@fairmontstate.edu.

GRADUATE STUDIES

Graduate studies at Fairmont State University are designed to give students advanced knowledge in a special field of study, higher levels of professional competence, an understanding of and respect for scholarly research and a sophisticated knowledge of the techniques of continued, lifelong intellectual growth. These goals are achieved through coherent, orderly programs of study, investigation and supervised practical experiences that are carefully planned by each individual student in consultation with his or her graduate faculty adviser.

Fairmont State University currently offers the following graduate degrees:

- Master of Education (M.Ed.), with an emphasis in Special Education, Professional Studies, Online Learning, and Reading;
- Master of Arts in Teaching (M.A.T.);
- Master of Business Administration (M.B.A.);
- Master of Science (M.S.) in Criminal Justice;
- Master of Science (M.S.) in Human Services.

Choosing to pursue a Master's degree program at Fairmont State University represents a commitment to excellence, personal growth, and lifelong learning. Our graduate programs are committed to a student-centered learning environment that emphasizes concrete experiences, intellectual discourse, and critical reflection. FSU is small enough to allow each graduate student opportunities for interaction with fellow students and distinguished faculty members, yet large enough to provide challenging and diverse areas of study. To better serve graduate students, the university schedules classes at times designed to meet the scheduling needs of part-time as well as full-time students.

Please explore our Graduate Bulletin online at www.fairmontstate.edu/graduatestudies for more information about Graduate Studies at Fairmont State University.

GRADUATE RECORD EXAMINATION (GRE)

This test, or another approved graduate aptitude test, is required for students graduating who will apply to graduate school at Fairmont State University. The test results must be submitted as part of a completed graduate school application. Information is available in the Office of the Associate Provost, Room 208 Hardway Building.

Expenses and Financial Aid

PAYMENT OF TUITION AND FEES

Students attending FSU or Pierpont are offered an alternative to payment in full at the time of registration. This payment plan is known as the Fairmont State Installment Plan Service, or FIPS. This allows students to pay their balance in four equal payments. If payment is not received before the due date each month, a $25 late fee will be added to the account. The registration process is not complete until all fees, plus interest and/or any penalties, have been paid in full. Fees can be paid with Visa, MasterCard, American Express and Discover Card. Students receiving financial aid must apply 100 percent of their aid prior to FIPS payments.

Registration is not completed until payment of tuition, residence hall rent, board, and fees has cleared. A late payment charge of $50 will be assessed on the first day of class; a $10 charge will be assessed on each check returned for "insufficient funds" unless the student can obtain an admission of error on the part of the bank. The Office of Enrollment Services shall declare the fees unpaid and registration canceled until the check has been redeemed and the additional charge paid. Student records will not be released by the Office of Enrollment Services for any student who has a delinquent financial obligation to either institution.

All outstanding amounts resulting from nonpayment of tuition and fees are the responsibility of the student. Withdrawal from school, officially or unofficially, will not cancel any financial obligation already incurred. Additionally, failure to pay all financial obligations may result in debts being turned over to a collection agency. Collection costs, including attorney fees and other charges necessary for the collection of any amount due, will be added to the student's account balance.

NOTE: The term "resident" refers to classification for fee purposes only. See end of this section for resident classifications.

All fees subject to change. Please see our homepage for the most current tuition and fee information.

Please remember that bills are no longer being sent via mail, but billing information, reminders and important notices are sent to each student's institutional e-mail address.

Tuition and Fees (2010-2011)

PIERPONT COMMUNITY & TECHNICAL COLLEGE
TUITION & FEES PER SEMESTER

	On Campus WV Resident	On Campus Non-Resident	Off Campus WV Resident	Off Campus Non-Resident	Virtual WV Resident	Virtual Non-Resident
12 hours	1826	4332	1645	4151	1365	2568
11 hours	1724	4015	1537	3828	1254	2354
10 hours	1570	3650	1400	3480	1140	2140
9 hours	1413	3285	1260	3132	1026	1926
8 hours	1256	2920	1120	2784	912	1712
7 hours	1099	2555	980	2436	798	1498
6 hours	942	2190	840	2088	684	1284
5 hours	785	1825	700	1740	570	1070
4 hours	628	1460	560	1392	456	856
3 hours	471	1095	420	1044	342	642
2 hours	314	730	280	696	228	428
1 hour	157	365	140	348	114	214

FAIRMONT STATE UNIVERSITY
TUITION & FEES PER SEMESTER

	On Campus WV Resident	On Campus Non-Resident	Off Campus WV Resident	Off Campus Non-Resident	Virtual WV Resident	Virtual Non-Resident
12 hours	2586	5452	2297	5163	2017	3216
11 hours	2373	4994	2131	4752	1848	2948
10 hours	2160	4540	1940	4320	1680	2680
9 hours	1944	4086	1746	3888	1512	2412
8 hours	1728	3632	1552	3456	1344	2144
7 hours	1512	3178	1358	3024	1176	1876
6 hours	1296	2724	1164	2592	1008	1608
5 hours	1080	2270	970	2160	840	1340
4 hours	864	1816	776	1728	672	1072
3 hours	648	1362	582	1296	504	804
2 hours	432	908	388	864	336	536
1 hour	216	454	194	432	168	268

GRADUATE COLLEGE
TUITION & FEES PER SEMESTER

	On Campus WV Resident	On Campus Non-Resident	Off Campus WV Resident	Off Campus Non-Resident	Virtual WV Resident	Virtual Non-Resident
9 hours	2810	5998	2521	5709	2166	3069
8 hours	2488	5320	2256	5088	1928	2728
7 hours	2177	4655	1974	4452	1687	2387
6 hours	1866	3990	1692	3816	1446	2046
5 hours	1555	3325	1410	3180	1205	1705
4 hours	1244	2660	1128	2544	964	1364
3 hours	933	1995	846	1908	723	1023
2 hours	622	1330	564	1272	482	682
1 hour	311	665	282	636	241	341

SPECIAL FEES (NON-REFUNDABLE) - APPLICABLE TO ALL STUDENTS

New Student Orientation Fee	$120.00
Graduation Fee (inc. cap and gown)	$50.00

** Special course fees may apply*

OTHER FEES

Late Application for Graduation	$50.00
Priority Transcript Fee	$9.00
Special Examinations for course credit (per credit hour)	$22.00
Late Payment Fee	$50.00
Aviation Technology Fee (per credit hour)	$35.00
Reinstatement Fee	$25.00

REFUND POLICY FOR TUITION AND FEES

A student who withdraws from the institution may arrange for a refund of fees, excluding special fees, in accordance with the following schedule. Refunds are determined from the first day of the school term, which begins officially with Orientation Week. The student's official withdrawal date is certified by the Office of Enrollment Services.

Students who have paid in advance and cancel schedules prior to registration day will receive full refunds.

SEMESTER TERMS

Withdrawal During first and second weeks (beginning with Registration Day)	90% refund
During third and fourth weeks	70%
During fifth and sixth weeks	50%
Beginning with seventh week	No refund

SUMMER TERMS

Registration Day through the first three days of Classes	90% refund
Fourth through sixth day of classes	70%
Seventh through ninth day of classes	50%
Beginning with tenth day of classes	No refund

Room and Board Rates

Regular term payment of room and board must be paid before the first day of classes. Summer term payment of room and board must be paid in full before the first day of classes. Applicants for residence hall reservations must pay a deposit at the time the application is filed. (This amount is subject to change at any time). The deposit will be refunded at checkout pending any necessary damage repairs. All unmarried freshman and sophomore students are required to live on campus, excluding the summer term unless the student qualifies for an exemption to this policy.

For applicants deciding not to enroll, written notice of withdrawal for the fall semester must be received by the Residence Life Office by May 15th, and by November 15th for the spring semester. Failure to notify the Residence Life Office in writing by the deadline will result in the forfeiture of the deposit. (Exception: Should the applicant be denied admission to either institution, a full refund will be made without regard to dates.) Students paying on-campus tuition and fees are entitled to participate in all college activities and attend athletic events.

The housing contract is valid for the academic year. Students cannot cancel their housing application to avoid living on campus after the application is considered active. Students must submit a contract release request and be approved for a release in order to live off-campus after applying. Releases are not guaranteed, but a refund will be determined based upon the date you officially check out of campus housing if you are released. Please contact the Residence Life office if you have any questions concerning this information.

RESIDENCE HALL SEMESTER RATES 2010-2011:

Double Occupancy (Morrow, Pence, Prichard)	$1689.00
Bryant Single	$2276.00
Bryant Double	$1924.00

MOVE-IN COSTS

Application/Damage Deposit	$200
Meal plan	varies (see below)

APARTMENT SEMESTER RATES 2010-2011:

1 Bedroom (unfurnished)	$2904.00
2 Bedrooms (unfurnished)	$2194.00
2 Bedrooms (furnished)	$2384.00
3 Bedrooms (unfurnished)	$2220.00

MOVE-IN COSTS

Application/Damage Deposit	$200

FOOD SERVICE SEMESTER RATES 2010-2011

All residents of Morrow, Prichard, Pence, and Bryant Halls are required to purchase a meal plan for use in the cafeteria or snack bar located in the Falcon Center. Campus Dining Services offers several meal plans.

A. Falcon 19 Plan (19 meals, 7 days per week)	$1694.00 per semester
B. Falcon 15 7Day Plan (15 meals, 7 days per week)	$1628.00 per semester
C. Falcon 15 Plan (15 meals, 5 days per week)	$1547.00 per semester
D. Falcon 12 Plan (12 meals, 5 days per week)	$1569.00 per semester

Commuter meal plans are available in the Enrollment Services Center.

Financial Aid

Financial aid in the form of scholarships, grants, loans, and employment is available to students who need assistance in meeting their higher education expenses. All funds are administered by the Financial Aid and Scholarships Department in compliance with institutional, state, and federal guidelines.

NEED-BASED AID

FSU and Pierpont's primary purpose in awarding financial aid is to assist those students who wish to attend college and need financial assistance to do so. A student's need is determined by the Institutional Cost of Attendance (Budget) less the Expected Family Contribution (EFC) (as determined by the Free Application for Federal Student Aid – FAFSA).

Students with the greatest need may be awarded Grants, Scholarships and self-help need such as Federal Work Study and Student Loans.

By using the available resources, FSU and Pierpont attempt to meet the financial needs of all students. The total financial aid awarded to a student shall not exceed the Institutional Cost of Attendance (Budget) or the student's need, as appropriate.

SCHOLARSHIP AID

It is the intent of FSU and Pierpont, as institutions of higher learning, to foster the highest degree of scholarship among their students. The institutions actively recruit students who have excellent academic records and recognize and reward those who continue to excel.

The objective of the scholarship program is to promote the recruitment and retention of a diverse student body with special talents. To accomplish this objective, a variety of merit and need-based scholarships have been developed with special criteria (ex.: Falcon Scholarships, program-specific scholarships, international student scholarships, athletic scholarships, etc.)

FSU and Pierpont are ultimately responsible for final approval of scholarship programs and related policies and procedures. Further, various offices or committees are responsible for segments of the scholarship programs. The Fairmont State Foundation, Inc., through the auspices of the Fairmont State Foundation's Scholarship Committee, collaborates with the Office of Admissions and Financial Aid and Scholarships to explore new areas of scholarship development and expansion, and assist those interested in establishing new merit-based scholarships or enhancing currently established scholarship programs for FSU and Pierpont students. New scholarship programs are reviewed for consistency with institutional recruitment and retention goals and the scholarship philosophy statement and must be reviewed and approved by the President.

FSU and Pierpont's Financial Aid and Scholarships also administer scholarship aid delivery for a wide range of externally funded and managed merit- and need-based scholarships received by FSU and Pierpont students.

SOURCES OF FINANCIAL AID

The links for all sources and types of financial aid offered by FSU & Pierpont as well as other aid resources are available on the homepage at http://fairmontstate.edu/admissions/undergraduate/financialaid/default.asp

DEFINITION OF AN ACADEMIC YEAR

For Pell Grant, Direct Loan processing, and other Title IV aid, the academic year at FSU and Pierpont begins with the fall, continues with the spring, and concludes with the summer term.

PROCEDURES FOR OBTAINING FINANCIAL AID

1. Students must complete and submit an application for admission to the Office of Admissions (new students only).
2. For full consideration of aid based on need, students must complete and submit the Free Application for Federal Student Aid (FAFSA) to the federal processing center by March 1. The FAFSA must be submitted annually.
3. For consideration of eligibility for academic scholarships, students must apply for admission to FSU or Pierpont prior to February 1 and submit a scholarship application by February 1.
4. Students interested in aid for summer must complete a separate application, which is made available in March.

SATISFACTORY ACADEMIC PROGRESS FOR FEDERAL FINANCIAL AID

To receive funds administered by the Financial Aid Office, students must be making measurable academic progress toward completion of an eligible degree or certificate. Federal regulations require evaluation of both quantitative and qualitative academic progress.

Effective fall 2007, the following guidelines will apply:

a) Required Cumulative Grade Point Average:
   00-29 total credit hours............... 1.5
   30-59 total credit hours............... 1.75
   60-above total credit hours......... 2.0

b) If the student's cumulative GPA falls below the minimum standard at the end of a grading period, the student is placed on warning during which aid continues. At the conclusion of the warning semester, the student's cumulative GPA must meet the appropriate minimum. If it does not, the student will no longer receive financial assistance.

c) All students enrolling for the first time (including transfers) will be considered to be meeting academic progress in the first year of enrollment. However, in order to continue receiving financial aid, recipients must meet all requirements at the end of their first academic year or the student will receive a "warning semester."

d) In addition to maintaining the overall GPA, a student must be making reasonable academic progress towards a degree or certificate. A student must pass at least 67% of all hours attempted each semester at FSU or Pierpont (this calculation will be rounded to the closest whole number). This applies to the graduate programs as well. A student who does not pass 67% of all hours attempted in a year will continue to receive financial aid during a "warning semester" but MUST pass 100% of all hours attempted in that semester of enrollment (summer enrollment is considered in this assessment).

e) Students must complete their program of study within 150% of the number of hours required for the degree objective.

For a baccalaureate program of 128 hours, students must complete within 192 attempted hours.

For an associate program of 64 hours, students must complete within 96 attempted hours.

For a certificate program of 32 hours, students must complete within 48 attempted hours.

For a graduate program of 36 hours, students must complete within 54 attempted hours.

f) Postgraduate, second undergraduate degree and teacher certification students must complete degree/certification programs within 60 hours of undergraduate coursework.

g) Financial aid recipients/applicants whose aid has been cancelled or denied as a result of failure to meet the required standards may be reinstated under the following conditions:
1. student's overall GPA meets minimum;
2. student earns 67% of attempted credits during semester;
3. appeal is granted by Financial Aid Office or Financial Aid Appeals Committee.

Students who wish to appeal their loss of aid may do so with Financial Aid and Scholarships. Forms are available upon request or online. Appeals may be made under hardship based on:

a) death of an immediate family member,
b) personal injury or illness of the student, or
c) special circumstances as determined by Financial Aid and Scholarships.

Documentation such as death certificates or notice, physician's statement, academic degree plans, or other documents deemed necessary by Financial Aid and Scholarships is required. If the appeal is denied by Financial Aid Scholarships, a student may request a review by the Financial Aid Appeals Committee. The Faculty Senate or Assembly appoints this committee in accordance with standard committee procedures. The decision of the Financial Aid Appeals Committee is final.

ACADEMIC FORGIVENESS & FINANCIAL AID

Candidates for academic forgiveness may receive financial assistance during the readmission semester. Candidates who are part-time must take a minimum of six credit hours in order to receive aid and must maintain minimum 2.0 GPA for continued aid. If the cumulative GPA during the readmission semester is less than 2.0, there will be no further financial assistance.

Candidates must have a signed, written request on file with the Registrar and with the Director of Financial Aid and Scholarships in order for financial assistance to be released.

TITLE IV FINANCIAL AID REFUND POLICY

If you withdraw from school whether officially (you complete the withdrawal form or drop all classes on the web) or unofficially (you stop attending classes) and have been awarded and/or paid Title IV Federal Aid, you are subject to a Return of Title IV calculation. This calculation determines how much aid must be returned to the federal programs in the event of a complete withdrawal prior to completing 60% of the term (see example below). The Financial Aid and Scholarships office is required to complete the calculation in cases of official withdrawal and in cases of unofficial withdrawals.

The calculation determines the amount of federal aid that is considered to be earned and the amount that is considered to be unearned, and therefore must be returned to the programs. The earned/unearned amounts are calculated based on the percent of the term completed. The length of the term is defined as the first day of all classes through the last day of all classes (not including finals week).

WITHDRAWAL EXAMPLE

This example shows what happened when a student withdrew completely on the 21st day of a 108 day semester (70% refund period). The first table shows how the Return of Title IV calculation applies to this specific student's situation. Please note that this is only an example; your specific situation may differ. If you are considering withdrawal, we strongly encourage you to consult with your academic advisor and a financial aid counselor prior to taking any official action.

EXAMPLE OF RETURN OF TITLE IV CALCULATION

Federal Direct Subsidized Loan $1750
Federal Pell Grant $2675
Federal SMART Grant $2000

1) Divide number of days attended by number of days in term
Calculation: **21 days / 108 days =**
Result: Percentage of term completed **19%**
Greater than 60% - All aid is earned; no further steps
Less than 60% - Use percent of term completed

2) Subtract percentage completed from 100
Calculation: **100 - 19 =**
Result: Percent of term not completed **81%**

3) Multiply total federal aid by percent of term not completed
Calculation: **5425 x .81 =**
Result: Amount of aid that is unearned **$4394.25**

4) Multiply total institutional fees by 81% to get amount of unearned aid to be returned by FSU

   Calculation: **Total fees = 2900 x .81 =**
   Result: Amount of unearned aid to be returned by
   University **$2349**
   University returns:
   $1750 Direct Subsidized Loan; $599 Pell Grant

5) Subtract unearned aid to be returned by FSU from total unearned aid

   Calculation: **4394 - 2349 =**
   Result: Amount of unearned aid to be returned
   by student **$2045**
   Student returns: **$2045 Pell Grant;**
   $ *(All that is left to repay is the amount the University had to repay. Student is not required to repay student portion of either grant program since the total in unearned grants is less than 50% of total federal grants.)*

The federal regulations regarding Return to Title IV requires the following rules regarding return of federal aid to the programs:

- Order of repayment to programs is as follows:
  1. Federal Direct Unsubsidized Loans
  2. Federal Direct Subsidized Loans
  3. Federal Perkins Loan
  4. Federal Direct PLUS
  5. Federal Pell
  6. Academic Competitiveness Grant
  7. National SMART Grant
  8. Federal Supplemental Educational Opportunity Grant (FSEOG)
- University returns its portion first; then the student's portion is returned
- Any loan amounts unearned from the student's share are not required to be repaid immediately (will be repaid in the normal repayment process)
- For grants, only the portion of unearned grants due from the student that exceeds 50% of the total federal grants received is required to be returned

Please keep in mind this repayment policy is applied before the institution's refund policy. The school's refund policy may reduce the amount owed to the school by the student for aid returned. It is important to note, a student who withdraws from school could owe federal financial aid as well as repayment back to the West Virginia Higher Education Grant Program and Promise Scholarship Program.

Veterans' Policies

The following policies and procedures will be observed by FSU and Pierpont for the purpose of determining satisfactory progress for all students receiving veterans' benefits. The Veterans Administration will be notified of any veteran who is not maintaining satisfactory progress.

PROCEDURE FOR MILITARY DEPLOYMENT

If you are called to active duty in the military while enrolled at FSU or Pierpont, you will be designated as being on a "Military Leave of Absence." If you return to either institution immediately following your deployment, you will not be required to reapply for admission. The following policies and procedures are designed to make your transition from active duty and your return as convenient as possible. Please read the information below and review your choice of options. If you receive any form of financial assistance, it is imperative that you meet with the Financial Aid Office and Business Office. You must provide the Business Office with a copy of your Deployment Papers no matter what option you select.

Option 1

When called to active duty during an academic semester, you may withdraw completely from the semester and receive a full tuition refund. You will also receive a prorated refund for campus housing, meal plan, and parking. Upon consultation with Financial Aid and Scholarships and Business Office, your transcript for the semester may show enrolled with "W's" or you may be completely deleted from that semester.

Option 2

You may contact your individual instructors to determine if you have completed enough work for the semester to receive an incomplete or a final grade for the course. The decision rests solely with each faculty member. You should have completed at least three-fourths of the semester before a faculty awards a final grade for a course. If you wish to pursue this option, you must have each faculty member sign below to indicate that they will give you an incomplete or final grade for the course.

Upon return from active duty, you should re-enroll as soon as possible. Once re-enrolled, you will have one year to make up an incomplete. At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to an "F."

You may also officially withdraw from specific courses that you do not wish to complete. You will receive a prorated refund based upon the number of credit hours you retain. Upon consultation with Financial Aid and Scholarships and Business Office, your transcript for the semester may show "W's" for courses in which you officially withdraw or you may be completely deleted from those courses.

SUSPENSION

The Veterans Administration will be notified immediately at the end of the semester if a student receiving veterans' benefits is suspended. Office of the Registrar of FSU or the Vice-President for Administration of Pierpont supplies the Veterans Coordinator with a list of students suspended. This list will serve as the basis for notification to the Veterans Administration.

CLASS ATTENDANCE

If a student receiving veterans' benefits withdraws from FSU or Pierpont or an individual class and the Veterans Coordinator has no prior notice of irregular class attendance, the official withdrawal date on the withdrawal form completed in the Registrar's Office will be assumed as the last date of class attendance.

The Veterans' Certifying Official runs a report to identify these students and notify the Veterans Administration.

FINAL GRADE FOR ALL COURSES ATTEMPTED

The final grade policy for all attempted courses applies to all students at FSU and Pierpont, including those receiving veterans' benefits.

MIDTERM REVIEW

The Veterans Coordinator will review the midterm grade report for all students receiving veterans' benefits and the Veterans Administration will be notified of any irregularities or indication of lack of progress on the midterm grade report.

SUMMARY

As indicated above, students receiving veterans' benefits are subject to all institutional policies of grading, attendance, and withdrawal. It is the responsibility of the Veterans Coordinator to administer the procedures listed above and to notify the Veterans Administration, in every instance, indicating lack of satisfactory progress by the student receiving veterans' benefits. There are no separate policies of attendance, withdrawal, or grade average calculation for students receiving veterans' benefits. Evidence of unsatisfactory progress during a semester may result in loss of benefits back to the point at which satisfactory progress ceased (i.e., irregular withdrawal from class). It is the veteran's responsibility to immediately notify the Veterans Coordinator of any changes in their enrollment status.

Resident Classifications

GENERAL

Students enrolling in a West Virginia public institution of higher education shall be classified as resident or nonresident for admission, tuition and fee purposes by the institutional officer designated by the President. The decision shall be based upon information furnished by the student and all other relevant information. The designated officer is authorized to require such written documents, affidavits, verifications, or other evidence as are deemed necessary to establish the domicile of a student. The burden of establishing residency for tuition and fee purposes is upon the student.

If there is a question as to residence, the matter must be brought to the attention of the designated officer and acted upon at least two weeks prior to registration and payment of tuition and fees. Students found to have made false or misleading statements concerning their residence shall be subject to disciplinary action and will be charged the nonresident fees for each session therefore attended.

RESIDENCE DETERMINED BY DOMICILE

Domicile within the State means adoption of the State as a fixed permanent home and involves personal presence within the State with no intent on the part of the person to return to another state or country. West Virginia domicile may be established upon the completion of at least 12 months of continued residence within the State prior to the date of registration, provided that such residence is not primarily for the purpose of attendance at any institution of learning in West Virginia.

Establishment of West Virginia domicile with less than 12 months' residence prior to the date of registration must be supported by proof of positive and unequivocal action, including but not limited to the purchase of a West Virginia home, full-time employment within the state, paying West Virginia property tax, filing West Virginia income tax returns, registering to vote in West Virginia and the actual exercise of such right, registering of motor vehicles in West Virginia, and/or possessing a valid West Virginia driver's license. Additional items of lesser importance include transferring or establishing local church membership, involvement in local community activities, affiliation with local social, civic, fraternal or service organizations, and various other acts which may give evidence of intent to remain indefinitely within the State. Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established.

MINORS

Minors are defined by the West Virginia Code 62-2-10 as persons under 18 years of age. The residence of minors shall follow that of the parents at all times, except in extremely rare cases where emancipation can be proved beyond question. The residence of the father, or the residence of the mother if the father is deceased, is the residence of unmarried and unemancipated minors. If the father and the mother have separate places of residence, minors take the residence of the parent with whom they live or to whom they have been assigned by court order. The parents of minors will be considered residents of West Virginia if their domicile is within the State.

Minor students who are properly admitted to an institution as resident students shall retain that classification as long as they enroll each successive semester.

EMANCIPATED MINORS

Emancipated minors may be considered as adults in determining residence, provided satisfactory evidence is presented that neither of their parents, if living, contributes to their support nor claims them as dependents for federal or State income tax purposes. Emancipated minors assume all of the responsibilities of adults to establish residence for tuition and fee purposes. Proof must be provided that emancipation was not achieved principally for the purpose of establishing residence for attendance at an institution of higher education.

STUDENTS EIGHTEEN YEARS OF AGE OR OVER

Students 18 years of age or over may be classified as residents if (1) the parents were domiciled in the State at the time the students reached majority and such students have not acquired a domicile in another state, or (2) while adults, students have established a bona fide domicile in the State of West Virginia. Bona fide domicile in West Virginia means that students must not be in the State primarily to attend an educational institution and they must be in the State for purposes other than to attempt to qualify for resident status.

Nonresident students who reach the age of 18 years while students at any educational institution in West Virginia do not by virtue of such fact alone attain residence in this state for admission or tuition and fee payment purposes.

Students who are properly classified as residents at the time they reach the age of 18 shall continue to be classified as residents as long as they enroll each successive semester and do not establish a domicile, or legal residence, in another state.

STATE RESIDENTS 65 YEARS OF AGE OR OLDER

Residents of West Virginia who are at least 65 years of age may attend class for credit or no credit if space is available. Eligibility will be determined based on appropriate documents reflecting age and residency. Participants will be admitted according to the process for"Special Students"outlined in the admissions policies. Students may register anytime during or after the preregistration period designated for "All Other Students" and through the Regular and Late Registration periods. Appropriate dates and times will be published in the Schedule of Classes for each term. Participants may register for either on or off-campus courses.

Eligible participants may elect one of two options for enrollment. Participants must identify themselves and choose an option at the time of registration.

No Credit Option: Eligible participants will be assessed fifty dollars ($50) per course plus applicable fees (i.e. technology, laboratory, parking permits) when appropriate.

Credit Option: Participants electing to earn college credit will be granted a waiver of fifty percent (50%) of the normal tuition and fees for courses. Technology, laboratory, parking and other special fees will be charged at the regular student rate.

CHANGE OF RESIDENCE

Adult students who have been classified as out-of-state residents and who seek resident status in West Virginia must prove conclusively that they have established domicile in West Virginia with the intention of making their permanent home in this state. The intent to remain indefinitely in West Virginia is evidenced not only by persons' statements but also by their actions. The designated institutional officer shall consider actions including but not limited to those described above in Section Two, "Residence Determined by Domicile." Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established. Factors militating against a change in residence classification may include such considerations as the fact that students are not self-supporting, that they are carried as dependents on their parents' federal or state income tax returns or their parents' health insurance policy, or that they customarily do not remain in the State when school is not in session.

Students may get the necessary paperwork for a change of residence from the Registrar's Office.

MILITARY

Individuals who are on active military duty or employees of the federal government may be classified as residents for the purpose of payment of tuition and fees, provided that they established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and have at no time while in federal service claimed or established a domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as residents of the State of West Virginia for tuition and fee purposes. Persons assigned to full-time active military service and residing in West Virginia may be classified as instate residents for tuition and fee purposes.

ALIENS

Aliens in the United States on a resident visa, or those who have filed a petition for naturalization in the naturalization court and who have established a bona fide domicile in West Virginia, may be eligible for resident classification provided they are in the State for purposes other than to attempt to qualify for residency status as students.

FORMER DOMICILE

A person who was formerly domiciled in the State of West Virginia and who would have been eligible for an instate residency classification at the time of his/her departure from the state may be immediately eligible for classification as a West Virginia resident provided such person returns to West Virginia within a one year period of time and satisfies the conditions of Section Two regarding proof of domicile and intent to remain permanently in West Virginia.

APPEAL PROCESS

The decisions of the designated institutional officer charged with the determination of residence classification may be appealed to the President of the institution. The President may establish such committees and procedures as determined necessary for the processing of appeals.

Campus Life

Social and cultural opportunities are a significant part of a student's educational experience; therefore, Fairmont State University and Pierpont Community and Technical College provide many services, activities, and organizations that students may select as they adjust to the college environment. The following section of the catalog describes these opportunities in detail.

Matters concerning student rights, responsibilities, and social conduct can be found in the published Student Handbook.

WELCOME WEEKEND

Welcome Weekend is specifically designed to orient new students to the campus and to college life in general. Programs are created to make students feel welcome to their new environment and introduce them to the academic components that are necessary to be successful in their pursuit of obtaining an education. Upperclassmen (Freshman Counselors) who are the student's mentors, will encourage the new students to become more involved, ask questions, and will help them understand that college is about effort.

Welcome Weekend is a tool to help new students become more connected to the college community and to meet face to face with the people who can help them with their academic and social endeavors. During this three day period the Freshman Counselors will meet with the new students in a classroom setting to discuss how to address issues both inside and outside of the classroom, while always emphasizing participation. Our goal, by the end of Welcome Weekend, is to make sure that new students know they have mentors to help them navigate through the maze of issues and concerns they face and help them become familiar with the campus environment.

RESIDENCE HALLS AND APARTMENTS

FSU and Pierpont maintain four residence halls which accommodate approximately 844 students. Each residence hall provides a learning environment which is designed to enhance academic and social life. Contracts are for the entire academic year and prices vary by residence hall. For additional information, contact Residence Life at (304) 367-4216.

College Park Apartments, which consist of 110 rental units, is also located on the campus. Apartment tenants are required to sign an 11.5-month lease and abide by all rules and regulations as described therein. Prices vary based on apartment type. For more information, contact Residence Life at (304) 367-4216.

1. All freshman and sophomore students are required to live in campus housing unless approved for an exemption to the residency policy. Approved exemption information is available on the Residence Life website. Students can easily apply for housing or an exemption by using the secure, online tool, FELiX. All students must receive written confirmation of their release from the campus residency requirement before making housing arrangements off-campus. Students requesting exempt status from the residency policy must submit the request at least 30 days prior to the start of the semester indicated in the request.
2. All residence hall and apartment assignments are made for the entire academic year. Students may not move or transfer from any residence hall or apartment except under the following conditions: Graduation, Withdrawal for the remainder of the academic year, Marriage, or a New Medical Condition that cannot be accommodated on campus. Financial aid is not considered during the release request process.
3. Students must pay an application deposit in order to reserve a room. Housing assignments are completed based upon the student's date of deposit. Individuals who decide not to enroll after applying for housing must submit a written notice of cancellation by May 15th for the fall semester or by November 15th for the spring semester. The deposit is forfeited if there is no written notice of cancellation by the semester deadline. The deposit, less any damages, will be returned at the end of the occupancy period.
4. All residence hall students and their parents or guardians are responsible for being familiar with the code of behavior and all other regulations that are listed and explained in the Student Handbook.
5. The institution reserves the right to limit the number of students in the residence halls under its control.
6. Students who live in the residence halls must purchase a Meal Plan for the Dining Hall.
7. Room and board fees must be paid in full for a semester before the first day of classes.
8. Break housing is available for an additional fee during Thanksgiving, Winter and Spring break periods. Reservations must be completed at least two weeks before each break period. Late requests may not be considered. Contact the Residence Life Office for information if you are interested in break housing.
9. In cases where a preponderance of circumstantial evidence exists of policy violation or criminal action, the student's room will be searched in accordance with the Student Handbook.
10. Any residence hall students who are suspended or expelled from Fairmont State University and/or a residence hall for disciplinary reasons will be responsible for paying for the remainder of the housing contract.
11. All residence halls are smoke-free.
12. Alcoholic beverages or illegal substances are not permitted in the residence halls.

STUDENT AUTOMOBILE REGULATIONS

The campus provides a 940-space parking garage for students as well as parking spaces in defined areas throughout the campus. Parking decals are required and are included in tuition; they can be picked up in 248 Hardway Building. Students receive parking maps at the time of admission and they are available from the Dept. of Public Safety. Visitor and/or day passes can be purchased from the Dept. of Public Safety. Additional information may be found in the Student Handbook.

FALCON CENTER

The student Falcon Center, centrally located on campus, provides an environment where students and employees can comfortably interact with one another while enjoying a variety of fitness and wellness programs, eating areas and study lounges. The campus bookstore, copy center, convenience store, dining services, food court, smoothie bar and much more are available for both students and employees.

Included in the recreation/fitness areas are: 7,000 square feet of fitness equipment with cardio-theater; five multi-purpose courts marked for basketball, volleyball, badminton and indoor soccer; multi-purpose rooms offering a variety of fitness classes; 25-yard fitness/lap pool, jacuzzi, sauna, and outdoor sunning deck; four-lane cushioned jogging/walking track and spacious locker rooms with lockers that may be rented. Throughout the year the Falcon Center offers special events such as health fairs, 5K run, indoor triathlon, weight lifting competition and many more.

BOOKSTORE

The Fairmont State Bookstore, located on the second floor of the Falcon Center, carries all textbooks and school supplies needed for classes and a large selection of FSU and Pierpont wearing apparel and gifts. Other items available include diploma frames, graduation supplies, decorative frames, general reading books, reference and test prep books, blankets, greeting cards, computer cables, computer media storage items, postage stamps, blank note cards, school spirit items, plush animals, dorm room supplies, work out items, and much more. Computers and computer software at educational discounts are available. Students may charge their textbooks and supplies to their student account and may also order textbooks, clothing, and supplies online through our website: www.fairmontstate.bkstore.com

CAFETERIA

Marketplace-style breakfasts, lunches and dinners are served Monday through Friday in the Cafeteria, located on the third floor of the Falcon Center (the student activity center). Brunch and dinner meals are available on weekends and on some holidays. Students on meal plans are to attend meals at this location or may use their Flex Dollars to buy food or groceries at one of the retail venues on campus. Commuter students may also dine in the Cafeteria, as all menu offerings are priced a la carte, in addition to the one-price, all-you-care-to-eat option. Commuters have another option - purchasing a Òblock" of meals, available in blocks of 20, 30 or 50, to be redeemed as the student desires and valid throughout the semester. Every meal plan participant must present his/her student ID card to the cashier to show payment for a meal. To learn more about the dining options and to make suggestions, call the Dining Services office.

FOOD COURT AND CONVENIENCE STORE

The Nickel is just one of three retail venues available to students located on the second level of the Falcon Center that provide additional dining options, especially for those in a hurry. Meal Plan participants may elect to use some of their Flex Dollars at any retail food outlet. The Main Street Market, located down the hall – past the Nickel, beyond the big screen TV – carries a large inventory of grocery and sundry items, snacks and fountain and bottled beverages, along with a 100% fruit juice based Royale Smoothie Bar.

STARBUCKS AT THE LIBRARY

There is a treat in store for all who choose a rich and creamy Starbucks latte or rich brewed coffee. Look for us off to the right as you enter the Musick Library.

COPY CENTER

At our on campus Copy Center, your documents are our business!

Located on the third floor of the Falcon Center, the Copy Center is open from 8AM to 4PM Monday through Friday. No need to leave campus, we're right here!

We're here to do copying and printing for faculty, staff, students and personal work. You create it - we copy it - from hard copy, floppy disk, CD, jump-drive, internet, or your e-mail account.

Our basic services include copying and printing up to 11"x17" in black & white or color. Black & white copies (8.5"x11) are $.04 plus paper costs; color copies are $.11 plus paper costs. Finishing services include cutting, folding, padding, 3-hole punch, tape binding, vinyl coil binding and booklets. An assortment of copy, text, cover and index paper to complement your job is available.

THE LIBRARIES OF FAIRMONT STATE UNIVERSITY AND PIERPONT COMMUNITY & TECHNICAL COLLEGE

HUTCHINS, THELMA J. (2000)
Director of Library Services
Associate Librarian

CHIBA, TORU (2002)
Electronic Services Librarian
Assistant Librarian

HAMMONDS, ROBERT H. (1998)
Cataloging Librarian
Assistant Librarian

HIVELY, CHARLEY (2007)
Coordinator of Reference and Instructional Services
Assistant Librarian

MAZURE, SHARON L. (1997)
Reference and Interlibrary Loan Librarian
Assistant Librarian

Fairmont State University and Pierpont Community & Technical College have three libraries that may be used by all students, faculty and staff. The Ruth Ann Musick Library is located on the main campus. The other libraries are located at the Caperton Center in Clarksburg and the National Aerospace Education Center (NAEC) at Bridgeport. These libraries function at the heart of the institutions' academic programs. Library staff members work closely with students and faculty to develop research skills and to provide a wide range of support services that enhance the learning experience. The libraries' print and electronic holdings are designed to support the curricular needs of the academic program of study offered at both institutions and to encourage intellectual and personal growth.

The libraries provide easy access to over 270,000 items including books, magazines, journals, newspapers, government documents, compact discs, videos, and other multimedia, and to over 170 electronic databases. Over 70,000 electronic books are available, full text and online, through the catalog. Subscriptions to over 50,000 journals, magazines, and newspapers are accessible through online databases. Over 250 print titles are also available.

The libraries have an online, web-based catalog of all holdings, MARLO, available at http://marlo.fairmontstate.edu. This catalog is searchable from any location in the world, through the use of a web browser, and also contains the holdings of the public school libraries, the public libraries of Marion County, and of the Glenville State College Library.

SERVICES

The librarians offer instructional programs and training sessions, including orientation, that cover the use of the library's resources, methods of dealing critically with available information, and ways in which the library can provide information, both through traditional means and by the latest electronic methods. Training in the use of information gathering on the Internet and through other electronic information resources is available to all users.

The library on the main campus is open over 100 hours a week during fall and spring semesters and over 65 hours a week during the summer sessions. At least one professional librarian is available or on call most hours that the library is open. The librarians provide individualized assistance with projects, research questions, and papers.

INTERLIBRARY LOAN

If students and faculty need research materials that are not available in one of the libraries, the items may be requested through Interlibrary Loan, either online or in person. Users may place requests online, using ILLIAD, and may track the progress of requests. Using a major bibliographic database (OCLC), library staff members handle requests quickly and efficiently. Fax equipment, the posting of articles online to a secure website for borrowers, and ARIEL (Internet transfer of documents) are all used to improve response time. With another tool, Odyssey, any journal article that is electronically transmitted to Fairmont State University libraries can then be electronically transmitted to the student or faculty member's desktop.

ONLINE SERVICES

The librarians at Musick library maintain the libraries' web pages providing access to information resources that are available to all students and faculty online. Resources include electronic books, journal indexes, full text journals, videos, encyclopedias, general and specialized reference works, style manuals, newspapers, government documents, and bibliographic indexes in all areas of the sciences, social sciences, humanities, and technology. Specialized assistance in locating resources is available and students and faculty may phone or email questions for the librarians. Access to library assistance is available via chat, using IM (instant messaging). All online resources are available remotely from any location with Internet access, through the use of the UCA (Unified College Account username and password).

Student Services

ACADEMIC DEVELOPMENT CENTER

The Academic Development Center offers courses in basic mathematics, pre-algebra, elementary algebra, composition skills, and basic reading and study skills for students who enter college with academic deficiencies and or low placement test scores in any of those areas. These courses do not apply toward the credit hours required to graduate, but they do provide institutional credit, counting toward a student's full-time status. Each course offered through the Academic Development Center is worth three institutional credit hours. These courses can be found under the heading Academic Development Center in the schedule of courses. The Center's main office is 200 Jaynes Hall.

Students are required to complete all required, non-graduation credit courses within their first 32 credit hours of college if they are majoring in an AA, AS, or AAS program. Students in BA and BS programs are strongly encouraged to complete these courses within their first 32 credit hours.

CAREER SERVICES

The Office of Career Services provides students and alumni with a variety of benefits, including career exploration, life planning, and job searching assistance. Students can utilize career counseling and online software to clarify their options. An extensive career resource library is also available. Career Services provides the following:

- Assistance in declaring a major through a variety of assessment tools
- Personalized career counseling
- Information on employment trends, outlooks, etc.
- Internship/practical experience opportunities
- Workshops, career/job fairs
- Choosing a Career class (Human Services 1199)
- Graduate school information
- College Central: An online resume and job database
- Full and part-time job opportunities
- Assistance with Resumes, Cover Letters, and Interviewing
- Practice interviews (videotaping is available)
- On-campus interviewing
- Career resources library
- Establishment of credential file

All students and alumni are encouraged to take advantage of these resources. The Office of Career Services is located in Suite 300 Colebank Hall and is open Monday through Friday, 8:00 a.m. to 4:00 p.m. Evening appointments may be made by arrangement. (304) 367-4214.

COUNSELING SERVICE

The counselors in Student Affairs offer professional assistance with personal problems, problems of social relationships and the understanding of oneself and others. Its staff consists of professionals trained in clinical practice and counseling who are experienced in dealing with issues common to college students. These services are available to all students in the belief that they often find significant benefit in counseling as a means of increasing self-awareness, maximizing potential and making the college experience more productive and meaningful. Contacts with the Counseling Services are held in strict confidence. Appointments may be made by calling 367-4792 or in person at 306 Colebank Hall.

DISABILITY SERVICES

FSU and Pierpont are committed to providing educational opportunities for all students and assisting them in making their educational experience successful and positive. In compliance with Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, FSU and Pierpont recognize a student with a disability as anyone who has a physical or mental impairment that substantially limits one or more major life activities. Student Disability Services coordinates the provision of reasonable accommodations for students with disabilities. All reasonable accommodations are individualized, flexible and confidential, based on the nature of the disability and the academic environment. Individuals requesting accommodations must provide current documentation of their disability to the Office of Student Disability Services, located in 307 Colebank Hall. The Coordinator for Disability Services and the student will work on determining appropriate accommodations. The student will receive letters for the faculty explaining the accommodations. It is the student's responsibility to provide faculty with this letter. Any faculty member who has not been provided with an accommodation letter is not required to accommodate a student's disability.

Assistive technology and a number of related services are available to students registered with the Office of Disability Services, including psychological testing, priority registration, special assistive software and additional tutoring. For more information and documentation criteria, please contact the Coordinator of Disability Services at 367-4686.

MULTICULTURAL AFFAIRS

The Office of Multicultural Affairs provides multicultural education for all students. Educational programs and activities will assist majority and minority students to identify their commonalities and to understand, accept and value their differences. Students can learn to relate to members of diverse groups, communicate effectively across racial and cultural lines, and transfer these skills to a variety of settings. Multicultural Affairs is committed to developing programs which expand awareness and promote cultural opportunities for all students.

The Office of Multicultural Affairs also promotes systematic change that fosters a multicultural perspective across campus. As change agents, we work with various allies to incorporate diverse perspectives into every facet of the institution, including admissions, hiring practices, administrative policies and procedures, academic curriculum, and co-curricular activities.

Finally, the Office of Multicultural Affairs provides support to underrepresented ethnic groups. This support includes assessment and other functions designed to identify the psychosocial, academic, and other needs of minority students; communication of these needs, along with recommendations for meeting them, to other units of campus; programs and services that enhance students' personal, social, educational, and cultural development; and efforts to encourage all students to participate in and contribute to the life of the campus.

NON-TRADITIONAL STUDENTS

Historically students over the age of 25 have been characterized as Ònon-traditional". Today more than 47% of college students fall under this non-traditional classification in U.S. higher education. However, non-traditional students or adult learners might be better defined as students who often exhibit one or more of the following seven characteristics:

- Have delayed enrollment into post-secondary education
- Attend part-time
- Are financially independent of parents
- Work full-time while enrolled
- Have dependents other than a spouse
- Are a single parent
- Lack a standard high school diploma

By using these criteria, the National Center for Education Statistics estimates that over 60 percent of students in higher education could be classified as non-traditional.

Over the past two decades, enrollment of adult learners at Fairmont State University and Pierpont Community & Technical College has grown in both absolute numbers and in proportion to total enrollment. With this increase, the college recognizes the need for a pro-active approach to meeting the non-traditional student's individualistic and special needs. The unique circumstances of the non-traditional student requires that the college offer special support services in order for these students to achieve academic success and to enhance the students' capacities to become self-directed, lifelong learners.

Students needing assistance should contact the advisor for non-traditional students in Room 207 of the Hardway Building.

STUDENT HEALTH SERVICES

The Student Health Service is located on the 3rd floor of the Falcon Center. We are available Monday through Friday from 8:00 a.m. until 4:00 p.m. A Nurse Practitioner is available to care for students' needs during those hours. You may reach our office by phoning 304-367-4155.

The service is available only to currently enrolled students. Summer hours are the same as those of the general institution. Students may visit the office for any reason that may cause them to seek treatment from their general health care provider at home. If we are unable to provide the necessary care, the student will be referred to the appropriate facility.

TUTORING PROGRAM

Pierpont Community & Technical College and Fairmont State University provide an accredited tutoring program, which has been certified by the College Reading & Learning Association's International Tutor Certification program. Tutoring is provided for most basic skills courses and a variety of other courses each semester. All students are entitled to free tutoring each semester. Students registered with documented academic accommodations through Disability Services can receive additional services as needed and available. Peer tutors are available through Tutorial Services at 207 Jaynes Hall on a drop-in basis and by appointment. The office houses study carrels and support materials for one-on-one or small group tutoring sessions. For further information, contact the Director of Tutorial Services in 207 Jaynes Hall or at 367-4294.

Student Activities

CLUBS, HONOR SOCIETIES, AND SOCIAL ORGANIZATIONS

FSU and Pierpont students have organized over 80 clubs and honorary organizations for the promotion of interests in various academic fields, the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of currently active organizations can be found online at www.fairmontstate.edu on the Student Life page.

FORENSICS (PUBLIC SPEAKING, ORAL INTERPRETATION, AND DEBATE)

Fairmont State University offers a variety of programs for all students interested in public speaking, oral interpretation and debate. Participation in all of these activities is open to any full-time student in good academic standing at Fairmont State University. All activities operate under the direction of the Communication and Theatre Arts faculty. The Intercollegiate Debate Squad participates annually in six intercollegiate debate tournaments at colleges and universities throughout the East and Midwest.

Students may participate in intercollegiate competitions in oratory, extemporaneous speaking, persuasive speaking, impromptu speaking, after-dinner speaking, prose interpretation, poetry interpretation and dramatic interpretation. All full-time students have the opportunity to participate in the Annual M.M. Neely Oratorical Contest. The contest is a persuasive speaking event which is endowed by the heirs of the late U.S. Senator and Governor of West Virginia, M.M. Neely. All communication majors and minors must compete in the Neely Contest as a final recital presentation.

The FSU Chapter of Pi Kappa Delta, the national forensics honorary, recognizes outstanding students through membership in the local chapter. Fairmont State University is a member of the National Forensic Association.

INTERCOLLEGIATE ATHLETICS POLICY

The program of intercollegiate athletics at Fairmont State University is supervised by a Director of Athletics, who reports to the University President, the Fairmont State Athletic Association (FSAA) and an athletic committee made up of faculty.

The general objectives of the intercollegiate athletic program at FSU are to teach students the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific goals include training through participation for prospective coaches and physical education instructors and the acquisition of experiences and skills which may enhance recreational outlets following graduation.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

- The ultimate responsibility for the conduct of the athletic program rests with the President of the University.
- Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
- The award of scholarships, student loans, and student employment to athletes are made through the same agency of the Institution and on the same basis as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
- All athletic funds are handled by the Business Office. An audit of the receipts and disbursements of these funds is made annually by the Legislative auditors.
- An effort is made to compete only with institutions having similar educational and athletic policies.
- Fairmont State University is a member of the West Virginia Intercollegiate Athletic Conference and the National Collegiate Athletic Association (NCAA). Athletic participation is regulated and controlled by the eligibility rules of the Conference and the NCAA. Copies of these rules are on file in the Office of the Director of Athletics.

INTERCOLLEGIATE SPORTS

Fairmont State University is a member of NCAA Division II, the West Virginia Intercollegiate Athletic Conference and sponsors an intercollegiate athletic program of 14 sports: 7 sports for men: football, basketball, baseball, cross-country, golf, tennis and swimming, and 7 sports for women: tennis, golf, basketball, volleyball, swimming, softball, and cross-country. Cheerleading is also offered for women. Fairmont State University provides fine indoor and outdoor facilities and equipment for physical education and recreation. All students are free to participate in intercollegiate sports, intramural sports and in all recreational activities.

INTRAMURAL SPORTS

The Intramural program offers a variety of recreational opportunities for students, faculty, and staff. Various activities are organized for competitive play among groups, individuals, and organizations. Events such as flag football, basketball, bowling, softball, golf, spades, soccer, volleyball, and foul shooting are some of the activities offered.

The philosophy of the Intramural program is to provide every student, faculty, and staff not engaged in varsity competition an opportunity to participate in a variety of competitive recreational sports in a safe environment; to facilitate the opportunity for camaraderie; and to create opportunities for healthy lifestyles and physical fitness. It is the goal of the department to foster sportsmanship, fair play and respect for competition through a diverse variety of organized sports and recreational activities.

MUSIC ORGANIZATIONS

Performing organizations in the Department of Music are open for the participation of all interested and qualified students.

Instrumental organizations include the Fairmont State Marching Band, Wind Ensemble, Jazz Ensemble, and University-Community Symphony Orchestra. Other ensembles include Woodwind Ensemble, Guitar Ensemble, Percussion Ensemble, African Drum Ensemble, and Piano Ensemble and are organized on demand under faculty supervision.

Vocal ensembles include Collegiate Singers and the Chamber Choir. Additional ensembles are organized on occasion under faculty supervision.

All musical ensembles present concerts on and off campus during the school year. Students may receive up to 3 credit hours in the General Studies curriculum by performing in Marching Band, Wind Ensemble, Collegiate Singers, or Orchestra. Interested students should contact the Department of Music, in the School of Fine Arts, for additional information.

PUBLICATIONS

Student publications available on campus include *The Columns*, the student newspaper; *The Mound*, the yearbook; and *Whetstone*, the art and literary journal.

Staff positions are open to all interested students, with approval of the respective editor and advisor. Application forms are available in 301 Jaynes Hall. Students participating as staff members may also receive varied course credit for their work. Editors are responsible for staff assignments, and enrollment is by advisor permission (Professor Kevin Smith for *The Columns* and *The Mound*, and Professor Donna Long for *Whetstone*).

Editor positions for the respective publications are competitive and chosen annually by the Student Publications Board, which governs all student publications.

Student publications allow students to hone their writing, editing, photographic, and graphic-design skills in professional settings, using advanced computer technology. A website for *The Columns* allows students to work in new media and to develop skills in multiple platforms such as digital photography, video, and web writing. *The Columns* is published 4 times per semester and is distributed by noon the first Monday of each month. *The Mound* and *Whetstone* are published annually. *Whetstone* showcases student writing and fine art and accepts submissions on a rolling basis. Student publications are financed primarily by student fees.

Campus publications include *Tracts*, a journal of student scholarship. Published annually, *Tracts* is edited by faculty members who are assisted by student staff members. For information about staff positions or submissions, contact Professor Elizabeth Savage, Marian Hollinger, or J. Robert Baker.

Fairmont State Occasional Papers, edited by Professor Baker, is a monograph series which publishes the texts of presentations and professional writings by faculty and staff. Each year it publishes the lecture delivered in the Presidential Lecture Series. *Kestrel: A Journal of Literature and Art* features poetry, fiction, nonfiction, drama, and visual art from art and literary professionals around the world. It offers junior- and senior-level students the opportunity for professional experience in adjudication, publication and business management through internships with three hours of course credit. *Kestrel* is published annually and acts as a cultural bridge to the community; its mission is to promote living literature and art. Interested students should inquire in the Department of Language and Literature.

The Frank and Jane Gabor Folklife Center publishes two journals through the Fairmont State Press. *Traditions* is a journal of West Virginia folk culture and educational awareness. First published in 1993, this annual periodical emerged from the West Virginia Humanities Summer Seminar for Teachers, ÒAppalachian Culture: Texture, Text, and Context, a Folkloric Approach to Learning." *Traditions* is the continuation of West Virginia Folklore, published at Fairmont State from 1951 to 1983. Traditions is supported by Fairmont State Unversity, the Gabor Folklife Center, and the West Virginia Humanities Council. *Hillchild* is a folklore chapbook about, for, and by children of West Virginia. First published in 2002, it is supported by Fairmont State University, the WV Folklife Center, and the West Virginia Humanities Council. Students pursuing a minor in Folklore Studies assist co-editors Dr. Judy P. Byers and Cultural Specialist Noel W. Tenney with these publications. For more information about these publications, telephone Professor Byers at (304) 367-4286 or visit wvfolklife@fairmontstate.edu or www.fairmontstate/wvfolklife.

The Fairmont State Press was established in 2004. In addition to producing *Traditions* and *Hillchild*, the Press has published a memoir, *The Dulcimer Man: The Russell Fluharty Story* and companion CD, Russell Fluharty Playing the Hammered Dulcimer, and *From a Place Called Solid: West Virginia and Its Writers*, a literary map of West Virginia. For information about these publications, contact Professor Byers.

RELIGIOUS ORGANIZATIONS

Organized religious groups on campus include the Wesley Foundation, sponsored by the United Methodists and Presbyterians; Chi Alpha, related to the Assemblies of God; and the Baptist Campus Ministry, related to the American Baptist Church. Other recognized religious organizations are: Campus Light Ministries and Increasing Our Faith. A complete list of active organizations is available in the office of Student Affairs.

The campus Roman Catholic Community gathers at the Newman Center which is located directly across the street from the entrance to Bryant Street Dormitory. The Newman Center is a full service campus ministry organization available to all administrators, faculty, staff and students. Weekend services are at 7:00 p.m. Saturday evening and 10:00 a.m. and 12:00 noon on Sunday. Fr. Jude Molnar can be reached by phone at 363-2300.

Contact the Wesley Foundation at 304-363-8210 or fairmontstatewesleyfoundation@yahoo.com Web address for the Wesley Foundation is www.fairmontstate.edu/SO/wesleyfoundation

STUDENT GOVERNMENT ASSOCIATION

Student Government actively seeks to supplement the academic atmosphere with intellectual, cultural, and social activities. Student Government members are involved in all aspects of life on campus and work cooperatively with the college administration.

Every segment of the student body is represented in the Government. Members are elected each spring by the student body and receive special training for their positions. The association comprises a president, vice president, secretary, treasurer, parliamentarian, and representatives of the four classes Board of Governor's Representative, House of Representatives, Board of Advisors Representative, Advising Council Representative, Multicultural Representative, and Residence Hall Representative. A faculty advisor is assigned by the Vice President for Student Affairs.

Student Government meets every Thursday at 12:30 p.m. in 128 Hardway Hall. All meetings are open and any student is welcome to attend.

THEATRE

Fairmont State University offers an active theatre program for the benefit of performers, technicians and theatergoers.

The Masquers, the official student theatrical organization since 1923, presents annually a season of plays, varied in style and period, usually in Wallman Hall during the fall and spring semesters. The plays are directed by the Communication and Theatre Arts faculty, and designed by faculty or students under faculty supervision. Acting roles and positions on the production crews are open to the student body on a voluntary or course-credit basis. Performances are open to the public. Membership in Masquers is open to the student body and is earned through participation with the theatrical productions.

Since 1960, the Masquers'Town & Gown Players has also presented a season during the summer months. Students enrolled in summer theatre courses work along with the members of the Resident Company (selected students receiving a grant for full-time acting and technical work) and members of the community. The Players bring a season of light theatre fare (comedies, musicals, children's plays) to Northern West Virginia theatergoers and provide a cultural, recreational, and educational outlet for all participants. The plays are directed, designed, and supervised by the professionally trained members of the Communication and Theatre Arts faculty and/or guest artists. Acting roles and positions on production crews are open to the public as well as to the students, faculty, and staff on a volunteer or course-credit basis.

The Studio Theatre presents student-directed and faculty-directed presentations in a studio/experimental setting in Room 314 Wallman Hall. Acting roles and positions on production crews are open to the student body. Students who have demonstrated scholastic and production excellence are offered membership in the Alpha cast of Alpha Psi Omega, the National Dramatic Honorary.

Special Programs

Pierpont Community & Technical College

ADULT LEARNING CENTER

Kay Pitrolo
308 Hardway Hall / (304) 367-4873

Pierpont Community & Technical College and Marion County Adult and Community Education are offering support services for the learning needs of all students. Our purpose is to assist students in finding solutions now to build skills for success. Students need strong basic skills and an ability to adapt to change.

Through the Adult Learning Center, students can receive support services in the following areas:

- Enhance skills in mathematics, oral and written communication, and reading to assist with WorkKeys Skills.
- Study for Civil Service Test Preparation and ACT Test Preparation.
- Study to pass the GED (high school equivalency diploma.)
- Gain skills to meet entrance requirements for vocational and other higher educational placement programs.
- Obtain computer skills needed in today's information society.
- Complete career interest inventories and learning style inventories.
- Learn English as a second language.
- Testing for student grade levels in math, reading, and language.

The West Virginia Department of Education recognizes that today's workplace presents numerous opportunities and challenges for adults in West Virginia. It is our aim to effectively serve the foundational learning needs of diverse groups and provide a learning system that is flexible and responsive to individual needs.

BOARD OF GOVERNORS (Associate of Applied Science Degree)

J.J. Davis, Program Coordinator
248 Hardway Building / (304) 367-4979
jdavis1@fairmontstate.edu

Janice Watts, Advisor
353 Education Building / (304) 367-4193
jwatts@fairmontstate.edu

The Board of Governors A.A.S. Degree offers busy adults an opportunity to complete a two year college degree with a technical or occupational focus. It is a flexible degree plan that can help adults achieve their educational goals and save students both dollars and hours by awarding college credit for documented work and life-learning experiences. The educational plan can be individualized and the pace of completion set by the student. There is no special fee for enrollment in this program but a special application form is required. Students will work closely with the Program Coordinator in planning and completing this special degree program.

Special Notes:

1) This program is available to students who have graduated from high school two or more years prior to enrollment. For those students who earned their GED certificate, it must be two years from the date their class would have graduated.
2) To fulfill residency requirements a minimum of 12 credit hours must be completed from a regionally accredited higher educational institution.
3) A minimum of 15 credit hours are required for an Area of Emphasis (optional). For more information on approved areas of emphasis, contact the Coordinator.
4) Students desiring to submit portfolio(s) for credit evaluation must meet with the Program Coordinator for direction and must be enrolled in the program.
5) Students seeking college credit for certifications/licenses/training approved by the State Board of Governors Degree Program must meet with the Program Coordinator and provide official copies of certifications/licenses/training.
6) The BOG degree will articulate with the WV Regents Bachelor of Arts Degree.

See complete list of requirements for this degree in the C&TC catalog section under "Programs of Study."

COMMUNITY EDUCATION

Ronald Weist, Director
Community Education
Center for Workforce Education
320 Adams Street, Suite G01, Fairmont / (304) 367-4920
rweist@pierpont.edu

Community Education at Pierpont Community & Technical College is housed at the Center for Workforce Education located at Veteran's Square in Downtown Fairmont, with programs offered throughout our service region. The mission of the Community Education department is to provide lifelong learning opportunities and expand the Pierpont learning community, through educational, cultural, economic, social and recreational activities.

Community Education programs consist of short term, non-credit classes and are open to all members of the community. Classes are designed to allow students to explore a wide variety of interests and to expand upon their talents and skills in an affordable, convenient and supportive learning environment - without tests or grades!

Examples of programs offered through Community Education include computer classes, language courses, painting, pottery, financial planning, photography, dancing, landscaping, music, floral design, aerobics, cooking, and much more.

EDGE

EDGE stands for Earn a Degree-Graduate Early. It allows students to take high school courses for community and technical college credit. This allows students to save money for college credits.

Students should contact their high school counselor for information or go to www.wvtechprep.wvnet.edu.

LABORATORY PRESCHOOL

Barbara Alvarez, Early Childhood Program Coordinator
142 Education Building / (304) 367-4848
balvarez@pierpont.edu

The Early Childhood Associate of Applied Science Program provides a half-day preschool program for children of students, faculty, staff and the community. The three-year-old children's class meets from 8:30 to 11:00 on Tuesday and Thursday. Parents may select one of two classes available on Monday, Wednesday and Friday for four-year-old children. The classes are 8:30 to 11:00 and 12:00 to 2:30. Classes are held in room 124 of the Education Building. The preschool is provided during fall and spring semesters when classes are in session.

The preschool is a licensed center and serves as a model early childhood program training facility. Financial assistance from the Department of Health and Human Resources may be available for families meeting eligibility requirements.

SAIL

SAIL stands for Specialty Asynchronous Industry Learning. The community college is a partner in this national network supported by the League for Innovation. The network provides training to support local workforce needs. For additional information, contact the college at (304) 367-4692.

SMALL BUSINESS DEVELOPMENT CENTER

Fairmont Regional SBDC Office
Center for Workforce Education
320 Adams Street, Suite G01, Fairmont / (304) 367-4920

Pierpont Community & Technical College operates the Fairmont Regional Small Business Development Center (SBDC)with the central office located in the Center for Workforce Education and a satellite office located in the Upshur County Development Authority's Business Center in Buckhannon, WV. The Fairmont Regional SBDC is operated in partnership with and is a member of the West Virginia Small Business Development Center Network, a Division of the West Virginia Development Office. Together these offices are responsible for promoting economic development in 11 counties throughout north-central West Virginia by providing the small business community access to free business consulting services, assistance and entrepreneurial training.

TECH PREP PROGRAMS OF STUDY

Hardway Hall / (304) 367-4094

Articulation agreements have been implemented with area high schools and vocational/technical centers to award college credit for course work completed under the Tech Prep Programs of Study. Students who achieve recognized competencies may apply credits to several two year Associate Degrees at Pierpont Community & Technical College. Students should contact their local high school for Tech Prep Programs of Study available and refer to the Community and Technical College Office for articulation policies and procedures.

TESTING SERVICES

Deborah Woods, Manager
Center for Workforce Education
320 Adams Street, Suite G01, Fairmont / (304) 367-4920
deborah.woods@pierpont.edu
www.pierpont.edu/ce

ACT® AUTHORIZED TESTING CENTER

Pierpont Community & Technical College is an authorized ACT Center. Pierpont's ACT Center housed at the Center for Workforce Education is operated in Partnership with ACT Inc., is one of four authorized ACT Centers in the State of West Virginia and one of approximately two hundred and thirty ACT Centers nationwide.

The ACT Center is a "High Stakes" Testing Center for many professions including certification and licensure testing. The center also provides workplace assessment from ACT's WorkKeys(tm) products. WorkKeys is a national system for documenting and improving workplace skills. There are two primary assessment categories: Foundational Skills and Personal Skills. Foundational skills assessments measure different applied job skills in the areas of communication, problem solving and interpersonal skills. Personal Skills primarily assess potential performance, talent and fit for the position. To learn more about how WorkKeys can help your business, please contact the Center Manager.

PEARSON VUE® AUTHORIZED TESTING CENTER

Pierpont Community & Technical College is an authorized Pearson VUE(r) Testing Center. The college's Pearson VUE(R) Testing Center is housed at the Center for Workforce Education.

The PearsonVUE advanced computer-based testing system administers exams for a variety of professions including; health and medicine, financial services as well as leading IT certification programs such as Microsoft, Cisco Systems(r), CompTIA, IBM and others through a global network of quality test centers.

COLLEGE BOARD® (CLEP™)

The College-Level Examination Program (CLEP) allows students to demonstrate that they have acquired college-level mastery of course content in 34 different subject areas. Students who successfully complete a CLEP exam can: Enrich their degree programs with higher-level courses in the same discipline, expand their horizons by taking a wider array of electives and avoid the need to repeat material that they already know.

For students who are able to pursue their degrees only part-time, or who are struggling to meet the rising cost of higher education, CLEP offers an educationally sound, responsible way to shorten the path to a college degree. This benefit makes earning a degree more feasible - making it more likely that part-time or financially strapped students will continue working toward a degree.

Microsoft Certified Application Specialist Certification Testing

The center has the ability to deliver the Microsoft Certified Application Specialist Certification exams titles in Microsoft Office 2007: Word, Excel®, PowerPoint®, Outlook®, Access™, and Windows Vista™ through a partnership with Certiport™. The MCAS is recognized as a powerful indicator of office proficiency.

VOCATIONAL CAREER PROJECTS

With the assistance of the Carl D. Perkins Vocational Education Act, Vocational Career Projects provides supplemental services and activities for adults. Various projects assist adults in different areas. These include workshops for those in need of training or retraining, programs for men and women entering nontraditional occupations, assistance for single parents or displaced homemakers enrolled in vocational education, and providing guidance to displaced workers subsidized by state and federal agencies.

The Vocational Career Projects program conducts pre-college orientations designed to help adults who are in the process of beginning or returning to college and provides information on admissions and registration, financial aid, degree options, child care, and numerous other college procedures.

WEEKEND COLLEGE

Brenda Davis, Program Coordinator
231A Hardway Hall / (304)367-4907
bdavis@pierpont.edu

The Weekend College program is an alternative course delivery system specifically designed for adult learners who want to earn an Associate degree or complete a Baccalaureate degree but find weekday or evening classes inconvenient or incompatible with career and family responsibilities. This accelerated program designed for mature, self-motivated learners meets on Saturdays at the Main Campus and at the Caperton Center in Clarksburg.

Courses are offered in consecutive 8-week terms. Two terms are offered during each of the Fall and Spring semesters and one term is offered during the Summer. Students may enroll in the Weekend College program prior to the beginning of any 8-week term, provided they have completed the normal admissions process and meet any prerequisites for courses offered. Students attending the Weekend College program can complete an Associate degree in as little as eleven terms (approximately 2 1/2 years). Adding weekday, evening or on-line classes can accelerate the completion of a degree program.

At this time, degree programs offered through the Weekend College Program include:

- Associate of Arts in General Studies
- Associate of Applied Science in Criminal Justice
- Associate of Applied Science in Paralegal Studies
- Associate of Applied Science in Business Technology with Specialization in General Business
- Bachelor of Science in Business Administration with Emphasis in General Business

The program is designed so that additional programs of study can be added depending on the needs of the service region.

Please contact Brenda Davis at the Community and Technical College for more information on the Weekend College program on the Main Campus and for course schedules or information on degree plans.

CENTER FOR WORKFORCE EDUCATION

Paul Schreffler, Associate Vice President
for Workforce Development
Center for Workforce Education
320 Adams Street, Suite G01, Fairmont / (304) 367-4920
paul.schreffler@pierpont.edu

Pierpont Community and Technical College operates a workforce training facility in downtown Fairmont at Veterans Square, 320 Adams Street Suite G01. This 12,000 square foot facility contains two state-of-the-art computer labs, four training rooms, a conference area and business offices.

The Center is designed to provide a flexible environment, enabling rapid response to regional business and industry workforce training needs. Programs focus on upgrading current workers' skills and knowledge, professional development and industry certification for adults. Most activities are short term, non-academic credit training programs.

The Center offers both customized and open enrollment training. Customized training programs are specifically developed to address identified training needs of regional business and industry for their current workforce. Businesses may also lease the Center's computer and training rooms to deliver their own training activity. Open enrollment training programs are developed in response to a recognized regional need and are open to any individual meeting the entrance requirements.

Fairmont State University

ACADEMIC COMMON MARKET

The Academic Common Market, a program coordinated by the Southern Regional Education Board (SREB), provides students in 16 southern states the opportunity to enroll in selected programs at public institutions in other states and pay in-state tuition. To qualify a student must:

- be a resident of one of the 16 SREB states;
- select a program eligible for residents of his/her home state;
- complete the admission process at the institution offering the eligible Academic Common Market program;
- be certified as a resident of the home state by contacting the ACM coordinator for the student's state of residence.

For more information, contact the Office of the Associate Provost at (304) 367-4101 or visit www.sreb.org.

COMMUNITY ART, MUSIC, AND DRAMA PROGRAMS

Art, music, and drama classes and private lessons taught by student and professional instructors are available to community, college, secondary and elementary students for an additional fee. Information may be obtained by contacting the School of Fine Arts office. College credit is not awarded for these courses.

COMMUNITY SERVICE LEARNING

Service Learning is a national movement utilized in a number of colleges and universities in the United States. It is the process of integrating volunteer community service with active guided reflection which enhances student understanding of course material. The distinguishing characteristic of service learning is its twofold emphasis on both enriching student learning and revitalizing the community. To accomplish this, effective service learning initiatives involve students in:

- Understanding the connections between textbook and experiential knowledge;
- Enhancing students' self-esteem through meaningful contributions to the community;
- Engaging students in decision making, critical thinking, and application of learned skills;
- Providing human resources to meet the educational, human, safety and environmental needs of the community;
- Creating a spirit of civic responsibility and leadership.

The pedagogy of service learning represents a substantial change from the traditional curriculum and promotes education as a "process of living" which encourages the processing of information, as well as its accumulation. This constant restructuring of information exemplifies the continuity and reality that exists between life experience and knowledge. The Office of Community Service Learning is 317 EDUCATION, phone (304) 367-4830.

THE FRANK & JANE GABOR WEST VIRGINIA FOLKLIFE CENTER AT FAIRMONT STATE

Dr. Judy P. Byers
(304) 367-4403 or (304) 367-4286
www.fairmontstate.edu/wvfolklife/default.asp

The Frank & Jane Gabor West Virginia Folklife Center at Fairmont State is dedicated to the identification, preservation, and perpetuation of our region's rich cultural heritage, through academic studies; educational programs, festivals, and performances; and publications.

Named to the National Register of Historic Places, 2006, the location of the Folklife Center is an adaptive reuse of historic properties on the west side of campus, formerly known as The Colonial Apartments (c.1941) and The Kennedy Barn site (c.1903) on the original location of the Michael Kennedy Dairy Farm. Mailing Address: 1201 Locust Avenue, Fairmont, WV 26554

ACADEMIC STUDIES

The study of folklore and folklife involves examination and analysis of traditional expressive culture in all its forms, including oral, customary, and material. In every society, agricultural and industrial, rural and urban, folklore is a vital part of life. In higher education, then, since folklife is a study of the humanist expression which is handed down by tradition rather than by writing, it is related to all departments that deal with literature, art, and music. Since folklore also deals with the entire traditional culture of mankind as manifested in customs and beliefs, it has close affiliations with anthropology, psychology, sociology, history, philosophy, linguistics, design and pedagogy.

One of the features of the Gabor WV Folklife Center at Fairmont State is a 19-hour interdisciplinary academic minor that can be attached to most liberal arts majors. As an academic program in the Department of Language and Literature of The College of Liberal Arts, a folkloric studies specialization poises the student for graduate studies and professional involvement in such areas as preservation, archiving, teaching, curating, historical parks and museums management, entertainment, and storytelling.

Pierpont Community & Technical College, in association with The Frank & Jane Gabor West Virginia Folklife Center, offers certificate programs in both Museum Studies and Folk Arts & Crafts apprenticeship. In addition, Museum Studies is a concentration option in the Associate of Arts Liberal Studies program.

ARCHIVES

The Gabor WV Folklife Center houses the unpublished folklore estate of Ruth Ann Musick, folk tale scholar, who was the archivist for the WV Folklore Society and editor of West Virginia Folklore Journal that was published at Fairmont State. Dr. Musick bequeathed to Fairmont State her folklore estate for academic study, programming, and publications.

Various other artifact collections have been placed in the Folklife Center Archives, and resources to properly process and store these artifacts have been obtained. The Gabor WV Folklife Center at Fairmont State actively seeks donations of any artifacts that will help interpret West Virginia folklife. This may include photographs, family memorabilia, journals, letters, oral histories and folklore, and any other materials of such nature.

PUBLICATIONS

- *Traditions: A Journal of West Virginia Folk Culture and Educational Awareness*
- *Hillchild: A Folklore Chapbook about, for, and by West Virginia Children*
- *West Virginia Literary Map*

SPECIAL PROGRAMMING

Awards

B.B. Maurer WV Folklife Scholar Award annually honors a person who has made an outstanding contribution to the preservation and perpetuation of our Appalachian cultural heritage, this award is named for Dr. B.B. Maurer (1920 - 2003), considered the"Father of Cultural Studies in West Virginia."

The Gabor WV Folklife Center Achievement Award is a special recognition award in an area of folklore studies.

The Traditions Salute Award is an award that recognizes special commitment towards the enhancement of West Virginia folk culture through education and public resources.

Summer Teacher Institutes in partnership with the West Virginia Humanities Council

Folk Festivals and Summer Celebrations

Fall and Spring Gatherings: Demonstrations, Exhibits, Presentations

Study Abroad Travel Programs, such as Roads to Appalachia through Scotland and Ireland; Italy; England and Wales; Eastern Europe.

FRASURE-SINGLETON STUDENT LEGISLATIVE PROGRAM

The Frasure-Singleton Student Legislative Program provides students the opportunity to observe the West Virginia Legislature for one week during its regular legislative session. Participants are assigned to a legislator who assists in explaining the legislative process. They attend committee meetings and public hearings where legislation and issues are discussed. They sit on the Floor during daily sessions, surrounded by legislators with issue research, constituent requests and other legislative tasks. In addition, participants meet with representatives from all branches of state government, lobbyists, reporters, and legislative staffers.

The program is open to full-time college sophomores, juniors, and seniors from all fields of study. Applicants must be in good academic standing and have successfully completed at least one Political Science course. Participants will earn one semester hour of credit.

For more information, contact the Political Science Department.

HERNDON LEGISLATIVE FELLOWS PROGRAM

The primary goal of this program is to instruct selected full-time undergraduates in the theory and operation of legislative bodies in multi-dimensional roles. Participants will be designated as legislative interns and will perform assignments in the West Virginia Legislature for the duration of its session. They will spend a full semester in the study of the operation, role, and functions of legislative bodies.

To be eligible for this program, students must have completed a minimum of 60 undergraduate semester hours or equivalent, with a grade point average sufficient to admit them to the degree program of their choice. At the time of application, students must be enrolled at their home institutions on a full-time basis and cannot be on academic or social probation. Students may not serve as interns if they are subsequently placed on academic or social probation for the period which would include the internship. Each applicant must have taken at least one college course in political science unless, in the judgment of the selection committee, the student's record displays an active and sustained interest in public affairs or the political process, at which time the course requirement may be waived. For additional information, contact the Political Science Department.

THE HONORS PROGRAM

Fairmont State University's Honors Program identifies and encourages highly motivated, academically superior students. Working within an alternative curriculum, these students enroll in Honors sections of general studies classes and complete a senior project. Honors sections are designated in the published schedule of courses each semester. The Honors Program encourages students to work closely with other Honors students and the Honors faculty to explore ideas from various perspectives. Beyond the curriculum, Honors students participate in field trips, lectures, and cultural events. Honors students may elect to live in the Honors residence in Bryant Place. The Honors residence offers a supportive environment with co-curricular activities coordinated in conjunction with the overall Honors Program.

Honors courses vary according to the program of study each student designs. Generally, however, students take two Honors courses each semester during their first two years at Fairmont State University. During their senior year, students complete six hours for a senior project linked to their majors. This project allows students to apply their developing intellectual skills in independent research, internships, and creative projects and to prepare themselves for graduate study or employment. At minimum, they need twenty-five to twenty-six credit hours in Honors courses to complete the Honors Program. The Honors faculty encourage students to take more than the minimums listed here in order to deepen their engagement in their education.

General Studies

Honors Seminar	1 credit hour
Honors Composition	3 credit hours
Honors Cultural/Civilization Exploration	6 credit hours
Honors Artistic/Creative Expression & Interdisciplinary Studies	3 credit hours

Honors Science and Math	3 - 4 credit hours
Honors Society/Human Interactions	3 credit hours
SENIOR PROJECT IN HONORS	6 credit hours

LEADERSHIP CERTIFICATION

Fairmont State University provides students with the opportunity to develop their leadership abilities, regardless of their academic major or minor. Leadership Certification is an interdisciplinary humanities program based in the liberal arts and grounded in theory and practical experience. It is designed to enhance a student's college career by linking leadership to self-awareness, personal growth, organizational theory and practical experience in community service.

REQUIRED COURSES:

- Leadership Certification.............................10 SEM. HRS.

INTR	2280	EMPOWERING LEADERSHIP	3
INTR	2281	GREAT IDEAS OF LEADERS	3
MGMT	3390	HUMAN BEHAVIOR IN ORGANIZATIONS	3
-OR -			
PSYC	4410	THEORIES OF PERSONALITY	3
HUSV	1103	COMMUNITY SERVICE LEARNING	1
-OR -	PHI THETA KAPPA LEADERSHIP CERTIFICATE		1

PRE-PROFESSIONAL AND PRE-PROGRAM STUDIES

Pre-professional and pre-program studies are not academic majors; rather, they are designed to prepare students to apply to a program or school that awards a specific degree. Two distinct types of preparatory studies exist at Fairmont State University.

1) Pre-professional studies prepare students to apply to professional schools at another institution after they have completed specific undergraduate coursework at Fairmont State University. Professional schools include medical, dental, engineering, pharmacy, physical therapy, veterinary or law school. Admission to professional schools is highly competitive and often requires successful completion of standardized tests and other special requirements. All students who plan to apply to professional schools are asked to declare an academic major and pursue a 4-year degree at Fairmont State University while completing the coursework specified by the professional school they desire to attend. Students who indicate an interest in pre-professional study will be given an advisor in the major area and an advisor specific to the pre-professional study they plan to pursue. Students should also carefully consult the catalog of the professional school that they plan to attend.
2) Pre-program studies prepare students to apply to a competitive undergraduate degree program, either at Fairmont State University or at a different institution. Before a student is accepted into the nursing program, for example, he or she will be assigned a pre-nursing advisor and will have no official major. Pre-program status exists for both two-year and four-year programs.
    a. Pre-program studies for which a degree program exists at Fairmont State University include pre-education, pre-nursing, pre-veterinary technology, pre-physical therapy assisting, pre-medical laboratory technology, pre-health information technology, and pre-emergency medical services.
    b. Pre-program studies for which a degree program exists at other institutions, but for which a student can prepare while at Fairmont State University, include pre-radiation technology, pre-respiratory care, pre-medical technology and pre-journalism.

Please refer to the College of Science and Technology for:

PRE-DENTAL CURRICULUM
PRE-ENGINEERING CURRICULUM
PRE-MEDICAL CURRICULUM
PRE-MEDICAL TECHNOLOGY CURRICULUM
PRE-PHARMACY CURRICULUM
PRE-PHYSICAL THERAPY CURRICULUM

Please refer to the College of Liberal Arts for:

PRE-JOURNALISM CURRICULUM
PRE-LAW STUDIES

Please refer to the School of Nursing and Allied Health Administration for:

PRE-NURSING CURRICULUM

PUBLIC AFFAIRS INTERNSHIPS

The Political Science Department regularly becomes aware of internship opportunities at the local, state, and federal levels of government. These internships can be with members of the state House of Delegates and Senate, the United States Congress, city managers, public interest groups, or state and federal agencies. Internships can take place during the semester or during the summer months. While most of the internships do not include a salary, academic credit can be earned.

For more information, contact the Political Science Department.

REGENTS BACHELOR OF ARTS DEGREE PROGRAM

The Regents Bachelor of Arts Degree Program (RBA) is a flexible, nontraditional program designed for adults in the belief that they are distinctly different from traditional undergraduates in their needs. The program can be tailored to fit the needs of those who need a degree for career advancement, those who have an associate degree in a field in which there is no corresponding bachelor's degree available, or those who seek intellectual development and personal fulfillment. The Regents Degree has particular appeal for persons who have completed some college work in past years but did not obtain a degree.

ADMISSION

A student is admitted to the Regents Bachelor of Arts Degree Program by submitting the special application form to Fairmont State University. Admission to this degree program does not provide for automatic admission to other programs at Fairmont State University. Applicants must have graduated from high school at least four years before admission to the program. Persons with high school equivalency certificates may be admitted four years after their high school class graduated. If an applicant has previous college credit, failing grades received four years or more before admission to the RBA program are disregarded. Any student under the Regents degree program must reapply and meet all admission requirements when changing from the Regents Bachelor of Arts Degree program to any other degree program at Fairmont State University.

REQUIREMENTS

To qualify for graduation, candidates must accumulate a total of 128 semester hours of credit with a quality point average of 2.00. At least 40 hours must be at the upper (3300 or 4400) level. Students must complete 36 semester hours of General Studies courses, including the required semester hours in each of the following areas: Communications (6), Social Sciences (6), Natural Sciences (6), Mathematics or Computer Science (3), Humanities (6), and 9 additional hours. At least 24 semester hours must be taken in the West Virginia State System of Higher Education. The RBA is an interdisciplinary degree with no major. The program can be tailored to meet the needs of individual students.

COLLEGE-EQUIVALENT CREDIT

A unique feature of the Regents Degree program is the possibility of obtaining college-equivalent credit. Credit may be awarded for learning which has taken place outside of a college, if the learning is equivalent to that which results from a college course. The learning may have resulted from work experience, on-the-job training, personal study, the pursuit of hobbies, or from a formal vocational program offered outside of a college or university, such as a hospital nursing course or military service training courses. College-equivalent credit is awarded only for the acquisition of knowledge or skills equivalent to the knowledge or skills acquired in college courses. An applicant for college-equivalent credit will prepare a portfolio, which presents in writing a detailed description of the knowledge or skills acquired outside of the college setting. Supporting documents, such as job descriptions and certificates for the completion of training programs, must be included. Directions for portfolio preparation are available for enrolled students in the RBA Office. The portfolio will be reviewed by appropriate faculty members at Fairmont State University or by other experts if a field of study is involved that is not offered by the University. The faculty members will then recommend the hours of credit to be awarded by subject at the upper and lower levels, equating the credit with existing Fairmont State University course offerings. A fee has been established for the assessment process and for the awarding of college-equivalent credit.

For more information on the RBA program, contact Janice Watts, Advisor, 353 Education Building, (304) 367-4193.

ROTC COURSES

Air Force and Army ROTC courses are available to full-time Fairmont State University students at no additional cost. The Air Force courses are offered on the West Virginia University (WVU) campus in Morgantown; Army ROTC courses are offered on the Fairmont State University campus.

Air Force ROTC Contact Information:
Phone: (304) 293-5421
E-Mail: afrotc@mail.wvu.edu

Army ROTC Contact Information:
Major Mark Hennigan, Phone: (304) 685-7766
E-Mail: mark.hennigan@mail.wvu.edu

STUDY ABROAD PROGRAMS

In keeping with a desire to provide more direct student enrichment programs in international education, Fairmont State University provides Study Abroad opportunities to students enrolled in a formal degree or certificate program. Students may receive collegiate academic credit for study and experience occurring outside the United States by enrollment in

1) ISEP (International Student Exchange Program) www.isep.org;
2) University of Calabria in Cosenza, Italy;
3) Travel-study programs sponsored by Fairmont State University;
4) a resident study abroad or travel-study program sponsored by FACDIS (The West Virginia Consortium for Faculty and Course Development in International Studies);
5) a program directed by faculty members from other West Virginia institutions;
6) a program sponsored by a US college or university or Consortium with institutional approval;
7) a foreign university as a special student;
8) an accredited US college or university abroad or
9) a program sponsored by an organization other than a college or university, with Fairmont State University's approval.

Students will be required to obtain prior consent from their academic unit before registering for study abroad programs.

Although such international experience is not required in all programs, study abroad is strongly recommended for students not only in the field of foreign languages but in other fields as well (such as the humanities, social sciences, business, art, etc.). Resident study abroad programs or travel-study programs will be integrated with traditional academic courses offered at Fairmont State University and will become part of the regular institutional curriculum. Study abroad is an important component of a comprehensive studies program which can contribute to the development and growth of the individual student and prepare the student to function more effectively in a global society. Participants in such programs will enhance their preparation for further graduate or professional studies and employment while deriving countless other benefits.

For additional information, contact the Study Abroad Advisor, Dr. Erin Hippolyte (Erin.Hippolyte@fairmontstate.edu).

THE WASHINGTON CENTER INTERNSHIP PROGRAM

The Washington Center for Internships and Academic Seminars gives students the opportunity to live and work in one of the most important cities in the world, and to experience the professional arena, cultural diversity and educational opportunities of the nation's capital. If accepted into the program, students are placed with a program manager who helps them obtain an internship in the field of their choice, whether it be for-profit, nonprofit or government work. The Washington Center Internship allows students to:

- Develop professional skills
- Clarify personal goals
- Improve research and communication skills
- Meet people from across the country and the world
- Prepare for life after college
- Give perspective on their studies
- Investigate a profession of interest
- Apply academic learning to the work world

For additional information, contact the Office of the Associate Provost at (304) 367-4101 or visit www.twc.edu.

Academic Information

ACADEMIC ADVISING SYSTEM

Students are assigned academic advisors when they first enroll at Fairmont State University or Pierpont Community and Technical College; those students who are not ready to select a major upon entrance will be assigned to the Academic Advising Center. Students wanting to change their major fields of study must contact the Registrar's Office; students will then be referred to their major departments to have a new advisor assigned. Students should discuss problems relating to degree requirements, pre-registration, registration, and withdrawals from class or college with their advisors. (See below)

ACADEMIC ADVISING CENTER

(304) 367-4709
advise@fairmontstate.edu

The purpose of the Academic Advising Center is to provide the undeclared student with comprehensive advising as well as interpersonal professional support. A concerted effort is made to address any academic concerns that may impede the student's successful completion of degree requirements and to assist the student in the selection of an academic program.

The Center is located in 322 Turley Center.

SERVICES:

- Formalized advisor-advisee conferences scheduled throughout the semester for undeclared students.
- Academic assistance and guidance on a drop-in basis for students with general advising concerns or questions.
- Summer advising of all new students, transfers, and readmitted students.
- Workshops sponsored by the Center relevant to maximizing academic success and to improving advising processes.
- Referral assistance to campus and community services.

ASSESSMENT OF STUDENT ACADEMIC ACHIEVEMENT

Fairmont State University and Pierpont Community & Technical College are committed to providing quality educational opportunities and experiences for every student. Both institutions embrace a process of continuous improvement in teaching and learning, as promoted by the WV Higher Education Assessment Council and the Higher Learning Commission. Our multifaceted assessment program includes electronic portfolio reviews, standardized testing at multiple levels, signature assessments and assignments, traditional course grades, capstone projects, clinical practice reviews and juried performances. FSU and PC&TC require students to participate in ongoing, integrated assessment activities, such as Program Benchmark Testing, Graduation Tests, Field Tests for their majors and the Collegiate Learning Assessment(CLA). All public institutions of higher learning in West Virginia participate in CLA, a national effort that provides information about how well students are doing in the areas of writing, logical analysis, and critical thinking. Tests are administered to samples of freshmen each fall and seniors each spring. This enables the institution to determine its impact on student learning over time. Student participation in assessment activities helps to ensure the ongoing health and vitality of academic programs and improve the overall educational experience.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Students who wish to obtain credit by examination should check with the Center for Workforce Education for test availability by calling (304) 368-7254.

PLACEMENT TESTING

In order for you and your advisors to create a schedule that best meets your academic abilities, you may be required to take certain assessments in up to three areas: math, English, and reading. Your test results may require that you enroll in one or more developmental skills courses. Completing these required courses in your first semester(s) will help to ensure your greatest chance of success in college. All assessments are free of charge, and any required developmental skills courses will count toward credit hours in your full-time schedule.

For information regarding placement testing, please contact the Director of Assessment, 367-4990.

PRE-PROFESSIONAL SKILLS TEST (PPST)

Students must earn passing scores on all three sections (reading, mathematics, and writing) in order to be admitted to Teacher Education. Other requirements exist for admission to Teacher Education. Applicants must register for a test administration date online at: www.ets.org/praxis. Information is available in Room 202A Hardway Building.

PRAXIS II SPECIALTY AREA EXAMS AND PRINCIPLES OF LEARNING AND TEACHING (PLT) TESTS

Students graduating with a Bachelor of Arts Degree in Education are required to take these tests and to achieve the minimum acceptable score for each teaching specialization and developmental level in order to be recommended for licensure. Students normally should take the Specialty Area Exams during the semester prior to their student teaching semester. The PLT exam should be taken during the final semester of their senior year. Applicants must register for a test administration date online at: www.ets.org/praxis. Information is available in Room 202A Hardway Building.

GRADING SYSTEM

The following system of grading is used at FSU and Pierpont:

A – Superior. Given only to students for exceptional performance
B – Good. Given for performance distinctly above average in quality
C – Average. Given for performance of average quality
D – Lowest passing grade, for performance of poor quality
F – Failure. Course must be repeated if credit is to be received
I – Incomplete, a temporary grade given only when students have completed most of the course, but are unable to conclude it because of unavoidable circumstance. Beginning with courses taken during the first semester, 1975-76, the letter grade "I" will be omitted from the calculation of the grade point average for a period of one year following the issuance of the "I." For each letter "I," in a grade report, the instructor must submit a brief description of the course requirements not completed by the student. At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to "F."
INC – Incomplete, a temporary grade given only when students have completed most of the course, but are unable to conclude it because of unavoidable circumstance. Used only for classes graded with CR/NC.
W – Withdrew
CR – Credit/grade of "C" or higher. Does not affect quality points (see below)
NC – No Credit. Does not affect quality points
NCX – No Credit, indicating a significant lack of effort. Does not affect quality points.
NR – Not Reported. Given when instructor has not submitted grade
S – Satisfactory. Given for Continuing Education courses only
U – Unsatisfactory. Given for Continuing Education courses only

QUALITY POINTS

The value of a student's work is indicated by quality points. Candidates for graduation must have at least twice as many quality points as GPA hours; that is, a point-average of 2.0 on all college work. Quality points for grades A, B, C, D, are computed as follows:

A – Four (4) quality points for each semester hour of credit
B – Three (3) quality points for each semester hour of credit
C – Two (2) quality points for each semester hour of credit
D – One (1) quality point for each semester hour of credit

Students' grade averages are determined by dividing the number of quality points by the number of GPA hours. No quality points are attached to grades of F, but the GPA hours for the courses in which these grades are received will be used in computing grade averages.

In order to graduate, candidates for degrees must maintain a grade point average of 2.0 or better in all college courses and in all credit earned at FSU and Pierpont. An average of 2.0 must also be maintained in the major and minor fields of study. Students in the teacher education program must attain a grade point average of 2.75 overall, in each teaching field and in professional education.

It is the student's responsibility to remain informed of quality point standing. This information can be obtained at any time from the Registrar.

Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution.

EXAMPLE FOR COMPUTING GRADE-POINT AVERAGE

Courses Taken	Final Grade	Quality Points	X	Sem. Hours	=	Quality Points (Total)
ENGL 1104	A	4		3		12
BIOL 1101	D	1		4		4
HIST 2211	B	3		3		9
SOCY 1110	C	2		3		6
POLI 1103	B	3		3		9
MATH 1101	W	-		-		-
				16		40

40 Quality Points
16 Semester Hours = 2.5 Grade-Point Average

CREDIT/NO CREDIT OPTION

Any student who has completed 58 or more semester hours of credit may select one course per semester on a credit/no credit basis; such courses are to be considered part of the regularly scheduled load. A maximum of 18 semester hours may be completed with this option.

Students may not choose this option for the following courses:
a) Major, minor or skill set
b) Education certification program

Courses taken under this option will be recorded but will not be reflected in the quality point index. Credit courses will count toward graduation.

Selection of a course for credit/no credit must be made at registration with the approval of the student's academic advisor, and may not be changed after the end of the add-drop period.

The grade of CR means C or better.

PRESIDENT'S LIST

Students who register and receive letter grades for 12 or more hours taken at FSU and Pierpont (excluding credit or audit marks) and attain a grade point average of 4.0 join a select group of individuals and are named to the President's List.

DEAN'S LIST

Students who register and receive letter grades for 12 or more hours taken at FSU and Pierpont (excluding credit or audit marks) and receive a grade point average of 3.4 or better are considered honor students and are named to the Dean's List.

GRADE REPORTS

Students can access mid-term and final grades by logging on to www.fairmontstate.edu or www.pierpont.edu. Select "Enrollment Center" from the "Quick Links" menu on the homepage and enter the Secure Area Log-in.

ACADEMIC PROCEDURES

Auditing Courses: Students may be permitted to attend classes as auditors if they obtain written permission from their advisor and instructors in the classes they want to audit. A student who enrolls in any class as an auditor may not, in the same semester, be considered as enrolled in the class for the purpose of obtaining credit.

Auditors are required to complete the regular registration process and pay regular fees. The decision to audit a course must be made during the add-drop period.

Classification of Students: Students are classified according to the number of credit hours earned as follows:

Freshman 0-29
Sophomore 30-59
Junior 60-89
Senior 90+

Declaring a Major: All undeclared FSU students must select a major field of study by the beginning of their junior year. All undeclared Pierpont students must declare a major upon reaching sophomore status (30 credit hours).

Dropping a Class(es): Students may drop a course(s) with a "W" being recorded up to the Friday during the:

a) 10th Week of a Full Semester
b) 5th Week of the 1st 8 Week Session
c) 5th Week of the 2nd 8 Week Session
d) 5th Week of the Weekend College
e) 3rd Week of the 1st 5 Week Summer Session
f) 3rd Week of the 2nd 5 Week Summer Session
g) 8th Week of the 10 Week Summer Session

Students may drop a course by logging on to www.fairmontstate.edu or www.pierpont.edu. Select "Enrollment Center" from the "Quick Links" menu and enter the "Secure Area Log-in."

Excessive Course Withdrawal Fee: (Effective August, 2006) Students who drop individual classes will be charged a $50.00 fee for each course from which they drop after the allowable maximum. Community College students may drop a total of four courses before the fee is charged. University students may withdraw from a total of eight courses before the fee is charged.

Late Registration: Late registration fees are assessed in accordance with the fee schedule cited under "Expenses and Financial Aid." Late registrants often fail to obtain satisfactory schedules; the policy of the institution is to give priority to students who register on time.

Numbering of Courses: Courses for freshmen (1000 series) and sophomores (2000 series) constitute the lower level of curriculum. Courses numbered (3000-4499) are primarily for juniors and seniors. Courses numbered 5000 and above are graduate courses. All General Studies requirements consist of lower-level courses which should be completed by the end of the sophomore year.

Students are strongly advised to take at least eight hours of General Studies courses each semester until the requirements have been met.

Repeating a Course (Effective: August 2007)
Fairmont State University and Pierpont Community & Technical College enforce Series 22 of the West Virginia Higher Education Policy Commission as follows:

If a student earns a grade of "D" or "F" (including failures due to regular and/or irregular withdrawal) on any course taken no later than the semester or summer term during which the student attempts the sixtieth semester hour, and if that student repeats this course prior to the receipt of a baccalaureate degree, the original grade shall be disregarded and the grade or grades earned when the course is repeated shall be used in determining his/her grade point average. The original grade shall not be deleted from the student's record. Courses passed with a grade of "C" or better may not be legally repeated.

Grades for courses repeated more than once or repeats of courses attempted in semesters following the one in which the sixtieth hour was attempted will be used in determining grade point average.

Courses completed at FSU or Pierpont with a grade of "D" or "F" may be repeated at any West Virginia public institution, provided the course at the other institution is deemed an equivalent course by FSU or Pierpont and the above stipulations are met. Regularly enrolled students who complete work at another accredited institution must secure written permission from the registrar before attempting such coursework. The transfer grade policy will apply to these grades.

Courses taken at other West Virginia public institutions that are legally repeated at FSU or Pierpont will be a part of the repeat process, provided the course at the other institution is deemed an equivalent course by FSU or Pierpont and the above stipulations are met.

Schedule Changes: Students may not add new classes to their schedules after registration has ended. However, within the first week of classes, students can drop and/or add classes. Classes that are dropped during this period do not appear on students' transcripts.

Semester Load: In order to be considered for permission to carry more than 18 hours in a given semester, a student must have an overall GPA of 3.0. In addition, the student must have a 3.0 GPA from the previous term OR be enrolled in the last semester prior to graduation. Student Credit Load Exception forms must be signed by the Dean of the College and Provost if student is taking over 21 hours.

Summer School: FSU and Pierpont offer a 10-week summer session each year. Courses are offered at a wide variety of times and locations to accommodate both traditional and nontraditional schedules including both day and evening offerings at the Main Campus, the Caperton Center and other off-campus locations. Class terms include two 5-week sessions, a 10-week session and an 8-week Weekend College session. Virtual courses and intensive courses are also available.

The requirements for admission and the character of the work required are the same for the summer session as the regular academic year. All campus activities and facilities are available to students during the summer session.

Withdrawal from FSU or Pierpont: Students can withdraw from the institution with "W" being recorded prior to the last week of classes. Students who fail to follow this procedure will receive grades of "F." Withdraw by logging on to www.fairmontstate.edu or www.pierpont.edu. Students can select "Enrollment Center" from the "Quick Links" menu and enter the "Secure Area Log-in." Students are urged to print a copy of the transaction for their records.

TELEVISED COURSES

Each semester, courses by television are offered that will satisfy degree or elective requirements. Students enrolling in these courses may be required to attend class meetings on the main campus throughout the semester and to use Blackboard Vista to complete class requirements. For more information, contact Jennifer Weist, 230a Hardway Hall, (304) 367-4503.

ACADEMIC REGULATIONS

The Student Handbook contains information concerning student rights and responsibilities, attendance, absences, and matters of academic dishonesty. Students are responsible for familiarizing themselves with these policies.

ACADEMIC DISHONESTY

All students and faculty members are urged to share in the responsibility for removing every situation which might permit or encourage academic dishonesty. Cheating in any form, including plagiarism, must be considered a matter of the gravest concern. Cheating is defined here as the obtaining of information during an examination; the unauthorized use of books, notes, or other sources of information prior to or during an examination; the removal of faculty examination materials; the alteration of documents or records; or actions identifiable as occurring with the intent to defraud or use under false pretense.

Plagiarism is defined here as the submission of the ideas, words (written or oral), or artistic productions of another, falsely represented as one's original effort or without giving due credit.

For the application of the Academic Dishonesty Policy go to http://www.fairmontstate.edu/publications/CampusHandbooks/studenthandbook/default.asp

ACADEMIC FORGIVENESS POLICY

Only students applying for readmission after the effective date of this policy will be eligible for forgiveness under this policy. This policy supersedes all previous Academic Forgiveness Policies at Fairmont State University and Pierpont Community and Technical College. Academic Forgiveness only applies to courses taken at FSU or Pierpont.

Academic forgiveness is intended for the student who is returning to college with a grade point deficit and who has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the four consecutive academic years immediately preceding the readmission semester. A student who does not normally qualify for readmission because of a low GPA may be admitted and placed on academic probation, unless the student has been placed on academic suspension. When forgiveness is granted, grades of D, F and FIW earned prior to the aforementioned four-year period are excluded from the computation of the grade point average. However, no failing grade will be removed from the permanent record. The academic forgiveness policy may be applied after a student has earned 12 credit hours that apply toward graduation, with a minimum GPA of 2.0.

Academic forgiveness will be granted only once for any student. The Registrar will give consideration to a request for forgiveness when s/he receives a signed, written request from the student which certifies that the student has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the four consecutive academic years immediately preceding the readmission semester. Should the student have attended any institution of higher education on a part-time basis during the specified four-year period, s/he must have earned at least a 2.0 GPA in all course work attempted. The student's request for forgiveness must be submitted during the readmission semester, and it must identify the non-enrollment period. If all prerequisite conditions have been met, academic forgiveness will be granted at the time the current GPA is calculated officially by the Registrar upon completion of the readmission semester.

The academic forgiveness policy does not alter, change, or amend any other existing policies at FSU or Pierpont and is formulated to be consistent with Series 20 of the West Virginia Higher Education Policy Commission. This policy pertains only to the calculation of the GPA required for graduation and does not pertain to GPA calculated for special academic recognition (such as graduating with honors) or to requirements for professional certification which may be within the province of licensure boards, external agencies, or the West Virginia Board of Education. The Regents Bachelor of Arts Degree Program and the Board of Governors Degree Program are governed by a different forgiveness policy.

FSU and Pierpont are not bound by the decision of any other institution to disregard grades earned in college courses. Similarly, students should be aware that academic forgiveness extended by Fairmont State University may not be recognized by other institutions to which they may transfer.

PROBATION/SUSPENSION POLICY

(Revised March 2006)

Satisfactory Academic Standing

A student is deemed to be in Satisfactory Academic Standing when his/her cumulative grade point average, based upon coursework taken at FSU or Pierpont, is 2.0 or higher.

Unsatisfactory Academic Standing

A student is deemed to be in Unsatisfactory Academic Standing when his/her cumulative grade point average, based upon coursework taken at FSU or Pierpont, is below 2.0.

Academic Probation

1) The status of Academic Probation is automatically applied to a student when the cumulative grade point average, based upon coursework at FSU or Pierpont, falls below 2.0.
2) The status of Academic Probation will be removed only after the cumulative grade point average, based upon coursework taken at FSU or Pierpont, is 2.0 or higher.
3) A student who is placed on academic probation may continue to enroll on a full-time basis, but will be limited to 15 semester hours.

Academic Suspension

The academic records of students on probation will be reviewed at the end of each regular semester with regard to Academic Suspension. The following guidelines will be used in the review.

1) Academic Suspension occurs when a student's cumulative grade point average, based upon coursework taken at FSU or Pierpont, falls below the minimum required GPA in relation to the overall attempted institutional and transfer hours (listed below).

Credit Hours*	**GPA**
16-29	1.45
30-59	1.75
60+	2.00

*Attempted hours at FSU or Pierpont plus transfer credits.

2) The suspension list will be compiled at the end of the fall and spring semesters.
3) Students will be placed on probation for one semester before they are subject to academic suspension.
4) Students can be placed on suspension if they have been on probation in any previous semester.
5) No student with a current semester GPA of 2.0 or higher will be subject to academic suspension.
6) A student who is academically suspended will not be permitted to enroll in coursework at FSU or Pierpont for the following fall or spring full semester. One full fall or spring semester constitutes the required period of suspension.
7) A student is automatically eligible for readmission after the period of suspension is over, but must reapply through the Office of Admissions to have his/her Academic Suspension hold removed.
8) FSU and Pierpont will not accept credit for courses taken at any institution while a student is suspended.

A student in the Community College who is suspended may appeal the decision by writing a letter to the Vice President for Administration, 230 Hardway Building. University students should address letters to the Office of the Associate Provost, 208 Hardway Building.

Note: Suspension and Probation are calculated on work done in your current institution (FSU or Pierpont). Work from both institutions is not combined to determine eligibility for suspension or probation.

GRADUATION INFORMATION

Application for Graduation: Candidates for graduation must officially apply for a degree in the Office of the Registrar. This should be done one year in advance. Visit www.fairmontstate.edu/admissions/registrar/GraduationInfo.asp or www.pierpont.edu/admissions/registrar/GraduationInfo.asp for graduation deadlines.

English Performance: All students who are candidates for degrees must attain a grade of "C" or above in English 1104 and 1108 in order to prove their competence in the use of the English language. This is a requirement for graduation.

Graduation with Honors: Candidates for graduation with an associate's degree who maintain a grade point average 3.4 or better will receive the designation of "With Honors" on their diplomas and "Honors" on the Commencement program.

Candidates for bachelor's degrees who have achieved special distinction in academic work will graduate with honors. Honors are determined by the cumulative quality point average of a student's work at graduation. Three grades of honors are recognized: cum laude for a point average of 3.4-3.69; magna cum laude for a point average of 3.70-3.84; and summa cum laude for a point average of 3.85 or better. Honor designations on diplomas are based upon the entire academic record. Honor designations on the Commencement program are based upon the academic record at the conclusion of the semester prior to Commencement.

Military Service Credit: Students who have completed basic training in military service may be granted a maximum of four semester hours of credit, which may be used to satisfy General Studies physical education and/or elective requirements. It is the student's responsibility to request this credit and to verify this military experience to the Registrar.

Minimum Residence Requirements: For an associate degree at least one semester's work (at least 16 credit hours) and at least 8 of the last 16 hours in residence are required. For the certificate degree at least eight semester hours work in residence in required.

For a four-year degree, at least one year's work in residence is required, and one semester of it must be in the senior year. A "year of residence" must represent not less than 32 hours credit, and a semester is defined as a minimum of 16 hours credit. Exception is made in the case of students who have completed three years of required work at Fairmont State University and who decide to complete the senior year by substituting approved credit earned subsequently in a college of medicine or dentistry.

Nonresident or Off-campus Credit: One hundred (100) semester hours of the 128 required for graduation shall be completed in regularly scheduled Fairmont State University courses. The 28 hours of permissible nonresidence courses may be earned by extension, home study (correspondence), radio, television, special examination and/or military service. Credit earned in home study will be accepted only when earned in a regionally approved college. CLEP and ROTC credit are excluded from the above limitation.

Transient Credit: Regularly enrolled students who complete work at another accredited institution on a transient basis must secure written permission of the Registrar before attempting such course work. Transient credit completed without permission will not be accepted.

Transcripts: Students at FSU and Pierpont are entitled to official transcripts of their record. Students who fail to meet their financial obligations to the institutions or to any of their departments will not be given transcripts.

A request for a transcript of credit should be made in writing and should include name, both maiden and married, the date of last attendance at Fairmont State University or Pierpont Community and Technical College, and social security number. All requests for transcripts should be sent directly to the Registrar. Students may access the transcript request form online at www.fairmontstate.edu or at www.pierpont.edu. It takes 3-5 days to process requests. While there is no charge for transcripts, there is a limit of three requests per day. Rush service is available (limit 3 per day) at a charge of $9.00 per transcript and transcripts are mailed or available for pick up either the same day or next business day.

Degree Programs and Requirements

Pierpont Community & Technical College

An Associate of Arts, Associate of Applied Science, or Associate of Science degree is also granted upon successful completion of at least 60 semester hours in the two-year curricula. A Certificate is offered in several areas.

Associate of Arts, Associate of Science,

Associate of Applied Science, Certificate Program

	Degree Offered	Minimum Sem. Hrs. Required
Airframe and Aerospace Electronics Tech	A.A.S.	72
Applied Design	A.A.S.	64-65
Fashion Design		65
Interior Design		64
Aviation Maintenance Technology	A.A.S.	68
Board of Governors	A.A.S.	60
Business Technology	A.A.S.	66
Accounting		66
General Business		66
Criminal Justice	A.A.S.	65
Drafting/Design Engineering Technology	A.A.S.	65
Early Childhood	A.A.S.	64
Emergency Medical Services	A.A.S.	68
Food Service Management	A.A.S.	64
Culinary Arts		64
Dietary Manager		64
Pastry & Baking Arts		64
Resort & Hotel Management		64
Graphics Technology	A.S.	60
Internet Publishing		69
Printing Publishing		69
Health Information Technology	A.A.S.	73
Homeland Security	A.A.S.	65-71
Aviation		68
Criminal Justice		71
EMS		65
Safety		67
Information Systems Technology	A.A.S.	66
Interpreter Training	A.A.S	65
Liberal Studies	A.A.	64
Museum Studies		65
Social Work		64-65
Medical Laboratory Technology	A.A.S.	73
Office Management and Technology	A.A.S.	66-67
Administrative Office Management		66
Medical Office Management		67
Para-Education	A.A.	65
Paralegal	A.A.S.	64
Physical Therapist Assistant	A.A.S.	70
Respiratory Care	A.A.S.	69
Veterinary Technology	A.A.S.	76
Occupational Development	A.A.S.	64-72
Building and Construction Trades		64
Early Child Practitioner		64
EMT Specialist		68
Correctional Officer		68
Fire Fighters		65
Food Service Specialist		64
Technical Studies	A.A.S.	64-72
Agriculture & Agribusiness		64
Air Conditioning/Refrigeration		64
Automotive Technology		64
Collision Repair Technology		64
Diesel		64
Electrical Technology		64
General Building Construction		64
Highway Technician		72
Information Systems (WV ExcITe)		64
Machine Tool Technology		64
Masonry		64
Metals Technology		64
Radiologic Technology		64
Timber		64
Water and Wastewater Treatment		71
Welding Technology		64
Wood Production Technology		64

Certificates (One-year)

ASL Communication	Certificate	33
Emergency Medical Services	Certificate	36
Events Management	Certificate	33
Folk Arts Apprenticeship	Certificate	31
Laboratory Assistant	Certificate	30-31
Paraprofessional in Education	Certificate	36
Power Plant Technology	Certificate	36

Skill Set

Accounting Paraprofessional	Skill Set	18
Administrative Assistant	Skill Set	18
Ballroom Dancing	Skill Set	20
CAD Computer Aided Design	Skill Set	16
Classroom Teacher's Aide	Skill Set	6
Classroom Teaching Assistant	Skill Set	18
Early Childhood Teacher's Aide	Skill Set	6
Early Childhood Teaching Assistant	Skill Set	18
Museum Studies	Skill Set	21
Office Technology	Skill Set	18
Phlebotomy	Skill Set	12-13
ServSafe®	Skill Set	2

DEGREES

Pierpont Community & Technical College offers three kinds of two-year associate degrees.

ASSOCIATE OF ARTS

The associate in arts degree is designed to satisfy the lower division requirements of bachelor of arts degrees, thereby, preparing students to transfer to an upper division baccalaureate program. The studies required in this degree embody the characteristics of an educated person and generally place emphasis upon the social sciences, humanities, and professional fields within these disciplines.

Graduation from an associate in arts program assures that students have been provided a foundation in general education that enables them to appreciate their culture and environment as well as different cultures of the world; the development of a system of personal values based on accepted ethics that lead to civic and social responsibility; and the attainment of communication skills necessary for growth as a lifelong learner. It also assures the employer that graduates have satisfactorily completed at least 60-72 credit hours.

ASSOCIATE OF SCIENCE

The associate in science degree is designed to prepare people for immediate employment or to satisfy the lower division requirements of bachelor of science degrees, thereby, preparing students for the work force or to transfer to an upper division baccalaureate program. A minimum of 6 hours of transfer English and 12 hours of math and/or science are required for this degree and will embody the characteristics of an educated person and generally place emphasis upon the sciences and mathematics that support technical fields of study, such as engineering, agriculture and science-related fields.

Graduation from the associate in science program assures that students have been provided a foundation in general education that enables them to appreciate their culture and environment as well as different cultures of the world; the development of a system of personal values based on accepted ethics that lead to civic and social responsibility; and the attainment of communication skills necessary for growth as a lifelong learner. It also assures the employer that graduates have satisfactorily completed 60-72 credit hours.

In addition to meeting the minimum residence requirements for graduation, students in the Graphics Technology program must successfully complete a minimum of 12 semester hours of their technical course work at Pierpont Community and Technical College.

ASSOCIATE OF APPLIED SCIENCE

The associate in applied science degree is generally awarded to those who successfully complete programs which emphasize preparation in the applied arts and sciences and are designed to lead individuals to employment in a specific career. It also assures the employer that graduates have satisfactorily completed 60-72 credit hours. Although the objective of the associate in applied science degree is to enhance employment opportunities, some baccalaureate degree granting institutions have developed upper division programs to recognize this degree for transfer of credits.

In addition to meeting the minimum residence requirements for graduation, students in the Drafting/Design Engineering Technology program must successfully complete a minimum of 12 semester hours of their technical course work at Pierpont Community and Technical College.

CERTIFICATE PROGRAMS

Certificate programs, which generally take one year or two semesters of full-time course work to complete, are designed for students seeking to learn basic skills or to increase their proficiency in a specific occupational area. In a certificate program, students take skill-development courses in their field of interest and a limited number of related courses. Graduates of certificate programs may use their credentials to seek immediate employment or may continue their studies in a degree program.

Degree Programs: See Academic Information for a complete list of Community and Technical College Programs.

SKILL SETS

In today's work world in order for the student to remain competitive, they must adapt to change by seeking new knowledge and building upon their current talent to create the ability to perform a specific job. The skill set has been developed to assist the student with facing this challenge. Skill sets are typically several courses designed to equip the student with specialized knowledge. Many skill sets are part of the one-year degree certificate and or the associate degree.

ASSOCIATE DEGREES AS MINORS FOR BACCALAUREATE PROGRAMS

Any successfully completed associate or two-year degree offered within the Community and Technical College, except Liberal Studies and the field of the B.A.-B.S. major, may be used to fulfill the requirements for a minor in any B.A. or B.S. (nonteaching baccalaureate) degree awarded by Fairmont State University.

GENERAL STUDIES

The common theme among most of the General Studies courses is connections: connections between belief and action, past and present, other societies and our own, other people and ourselves as well as connections among various fields of knowledge. Insofar as possible, each General Studies course is global and pluralistic in perspective, promotes reflection on values, emphasizes major and enduring aspects of its subject, and reinforces students' intellectual integrity and their abilities to think, read and express themselves clearly, independently and creatively.

Any successfully completed associate degree offered within the Community and Technical College, except Liberal Studies and the field of the B.A.-B.S. major, may be used to fulfill the requirements for a minor in any B.A. or B.S. (nonteaching baccalaureate) degree awarded by Fairmont State University.

GENERAL EDUCATION REQUIREMENTS

The new General Education program will be for all associate degree programs, both terminal and those articulated with Fairmont State University. Many of the programs in the C&TC are designed to articulate directly into Fairmont State University baccalaureate degrees, and thus most courses in this General Education program are also in the University's General Studies requirements. The general education curriculum will meet the needs of all associate degree programs including Occupational, Technical, or Board of Governors degrees or articulated programs with the University; however, the number of required credits may vary. It will align general education of the C&TC more closely with the University, facilitating a clearer perception of a required studies core for all students. All associate degree programs in the C&TC have been reviewed against the reorganized general education requirements and will fit the needs of AA, AS, AAS, and Occupational/Technical degrees. In addition, it is suggested the current general studies be referred to as "General Education for the C&TC," to distinguish it from the 4 year program.

REQUIREMENTS

Associate of Arts	45 hours
Associate of Science	30 hours
Associate of Applied Science	20 hours
One-year certificate	6 hours

Occupational, Technical and Board of Governors Associate of Applied Science degrees vary by program. See individuals programs for specific requirements.

INTERACTIVE INQUIRY (Freshman Experience). 9-12 HRS

WRITING SKILLS .... 6 HRS

ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENGL 0097)	3 HRS
ENGL	1108	WRITTEN ENGLISH II (PR: "C" OR HIGHER IN ENGL 1104)	3 HRS
-OR-			
ENGL	1109	TECH REPORT WRITING (PR: "C" OR HIGHER IN ENGL 1104) ("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	3 HRS

LISTENING, SPEAKING, ANALYTIC AND CRITICAL THINKING SKILLS .... 3-6 HRS

INFO	1100	COMPUTER CONCEPTS (OR OTHER COMPUTER COURSE OR DEMONSTRATED COMPETENCY)	3 HRS
MATH	1100*, 1101*, 1106*, 1107 OR HIGHER		3 HRS
COMM	2200, 2201 OR 2202	COMMUNICATION	3 HRS

**Check Catalog to confirm transfer as general education credit*

Math Competency required

All C&TC students will demonstrate Math Competency, to be as determined by their program of study.

ADDITIONAL GENERAL EDUCATION REQUIREMENTS .... 3-6 HRS

Select 3-6 hours from the following areas

Culture/ Civilization Exploration

ENGL	2220, 2221, 2230, 2231	3-6 HRS
FREN	1101, 1102	3-6 HRS
HIST	1107, 1108, 2211, 2212, 2213	3-6 HRS
PHIL	2200, 2250	3-6 HRS
SPAN	1101, 1102	3-6 HRS
FOREIGN LANGUAGE		3-6 HRS

Artistic / Creative Expression / Performance-based Courses

ART 1120, MUSC 1120, OR THEA 1120			3 HRS
ART	1142	DRAWING	3 HRS
APPD	1102	APPAREL DESIGN	3 HRS
APPD	1116	HISTORY OF COSTUME	3 HRS
ARCH	1130	ARCH HISTORY I	3 HRS
ARCH	1160	ARCH HISTORY II	3 HRS
DANC	1100	INTRO BALLROOM DANCING	2 HRS
GRAP	2290	ELECTRO ART COMP IMAGING	3 HRS

Interdisciplinary Studies

FOLK	2200	INTRO TO FOLKLORE	3 HRS
INTR	2200	RACE, CLASS, AND GENDER IN POPULAR CULTURE	3 HRS
INTR	2201	INTRO WOMEN'S STUDIES	3 HRS
INTR	2280	EMPOWERING LEADERSHIP	3 HRS
INTR	2281	GREAT IDEAS OF LEADERS	3 HRS

Scientific Discovery

BIOL	1105, 1106	4-8 HRS
HLCA	1170,1171*	3-4 HRS
CHEM	1101, 1102, 1105, 1106	4-8 HRS
GEOL	1101, 1102, 1103	4-8 HRS
PHYS	1101, 1102, 1105, 1106	4-8 HRS
SCIE	1000, 1010, 1110, 1210, 1220	4-8 HRS

Society / Human Interaction

ECON	2200	ECONOMICS	3 HRS
ECON	2201	ECONOMIC PRINCIPLES I	3 HRS
ECON	2202	ECONOMICS PRINCIPLES II	3 HRS
FOSM	1110	NUTRITION*	3 HRS
GEOG	2210	INTRO TO GEOGRAPHY	3 HRS
POLI	1103	AM GOVERNMENT	3 HRS
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3 HRS
PSYC	1101	INTRO TO PSYCHOLOGY	3 HRS
SOCY	1110	INTRODUCTORY SOCIOLOGY	3 HRS
SOCY	1111	INTRODUCTION TO ANTHROPOLOGY	3 HRS

* CAN NOT BE USED FOR LIBERAL STUDIES SOCIETY/HUM

GENERAL EDUCATION ELECTIVES .... 6 - 29 HRS

In addition to the above 15 hour requirement, the Community and Technical College requires additional General Education electives to complete associate degree requirements. These electives include any 1100 or 2200 level courses which are open to all students and have no prerequisite. See advisor for courses in the program that meet this requirement.

Refer to General Education in terminal degrees for Requirements in programs that do not articulate with Fairmont State. Review specific program curriculum for a list of specific courses that may be required for degree completion.

GRADUATION ASSESSMENTS

Nancy W. Parks, Director of Assessment
Pierpont Community & Technical College
321 Turley Center
(304) 367-4990
Nancy.Parks@pierpont.edu

Assessment of academic program areas is an on-going activity of the institution. To help us assess the effectiveness of our academic programs and individual courses, students are required to participate in various assessment projects throughout their academic program. All students who are graduating in a career/technical field will be required to participate in an end-of-program assessment as determined by the individual programs.

Students who have applied for graduation will be referred to testing by their program area faculty.

Students will receive official results soon after graduation as to their performance. These program assessment results serve to inform faculty and administrators of any necessary revisions to program curricula. The ultimate goal of these graduation assessments is to ensure that Pierpont Community & Technical College graduates remain competitive in the workplace and in their other higher education pursuits.

Please contact the Director of Assessment, Pierpont C&TC with any questions, as to the particular program assessments in individual academic majors.

Programs of Study

ACCOUNTING PARAPROFESSIONAL

Skill Set

Nancy Lawler, Associate Professor
202b Engineering Tech / (304) 367-4731
Nancy.Lawler@pierpont.edu

Program Purpose:

The Accounting Paraprofessional Skill Set helps to prepare students to perform bookkeeping functions in business offices. These functions could include payroll, accounts payable/ receivable, purchase orders, inventory control records, and sales records.

Student Learning Outcomes:

Upon successful completion of this Skill Set, graduates will be able to do the following:

- Perform entry-level accounting procedures
- Communicate effectively with co-workers and supervisors
- Demonstrate proficiency in Excel and QuickBooks software

Opportunities:

Both traditional and non-traditional students who would like to gain skills specifically applicable to the growing field of accounting would benefit from this Skill Set. Enhanced skills could be used for job advancement as well as new employment opportunities.

Many students choose to continue their education toward an Associate or Bachelor degree after completion of the Skill Set.

Required Courses:

- Accounting Paraprofessional .... 18 SEM. HRS.

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
ACCT	2217	CONCEPTS OF COMPUTERIZED ACCOUNTING	3
BUSN	1141	BUSINESS MATHEMATICS	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
INFO	2220	SPREADSHEET DESIGN	3

For Accounting Associate Degree see Business Technology

ADMINISTRATIVE ASSISTANT

Skill Set

Nancy Lawler, Associate Professor
202b Engineering Tech / (304) 367-4731
Nancy.Lawler@pierpont.edu

Program Purpose:

The Administrative Assistant Skill Set is designed to help individuals sharpen their skills for today's office setting. It is also designed to assist individual who are making the transition from secretarial to administrative assistant/ supervisory positions.

Student Learning Outcomes:

Upon successful completion of this Skill Set, graduates will be able to do the following:

- Satisfy desired employer expectations in the skills and knowledge of communication, computation, and human relations necessary for professionals in office technology areas
- Demonstrate proficiency in Excel, Access, and Word
- Differentiate and explain terminology of business principles

Opportunities:

This program will benefit both traditional and non-traditional students who wish to gain skills specific to the changing technology in today's office setting. The enhanced skills students will gain may be used for job advancement as well as new employment opportunities.

Many students choose to continue their education toward an Associate or Bachelor degree after completion of this Skill Set.

Required Courses:

- Administrative Assistant .... 18 SEM. HRS.

BUSN	1102	INTRODUCTION TO BUSINESS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3

Computation/Math Skills (Choose 1 course):

ACCT	1100	FUNDAMENTALS OF ACCOUNTING	3
BUSN	1141	BUSINESS MATHEMATICS	3
INFO	2220	SPREADSHEET DESIGN	3

Computer Skills (Choose 2 courses):

INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3

For Administrative Assistant Associate Degree see Office Management and Technology

AMERICAN SIGN LANGUAGE COMMUNICATION

One Year Certificate

Ruby Losh, Coordinator
310b Turley Center / 866-629-8157
Ruby.Losh@pierpont.edu

Program Purpose:

The ASL Communication Program is designed for students who want to communicate proficiently using ASL within the Deaf community. Students will learn all aspects of the language, including the culture and history.

This program is also designed to meet the academic admissions criteria for the competitive Interpreter Training Program. Students must complete the ASL certificate in order to be considered for the Associate degree in Interpreter Training.

(This program will accommodate students with extensive experience in Sign Language who may wish to demonstrate their competency and test out of certain course requirements.)

Student Learning Outcomes:

Upon successful completion of the program, graduates will be able to do the following:

- Communicate in the deaf community in social settings
- Understand the culture of the deaf community
- Demonstrate the connections between the ASL curriculum and their personal academic lives
- Compare and contrast the culture of the hearing community to the deaf community
- Develop a stronger sense of connection to the deaf community by participating in events sponsored by and for the deaf community

Opportunities:

Graduates of this certificate program will be able to apply their skills in a variety of job settings, including the healthcare professions, the educational system, religious organizations, law enforcement, and teaching for Hearing-Impaired students. Furthermore, many graduates will find this Certificate beneficial in the areas of Accessibility & Disability Services Advocacy as service providers.

Students who earn this certificate will also satisfy an academic requirement of the competitive Interpreter Training Program.

- American Sign Language Communication.....33 SEM. HRS.

FALL SEMESTER - FIRST YEAR

AMSL	1101	DEAF CULTURE AND HISTORY(ONLINE)	3
AMSL	1105	INTRODUCTION TO AMERICAN SIGN LANGUAGE	2
AMSL	1108	ASL CLASSIFIERS	3
AMSL	1111	AMERICAN SIGN LANGUAGE I (8 WEEKS)	3
AMSL	1112	AMERICAN SIGN LANGUAGE II (8 WEEKS)	3
ENGL	1104	WRITTEN ENGLISH I	3
			17

SPRING SEMESTER - FIRST YEAR

AMSL	1104	ASL FINGERSPELLING	1
AMSL	1113	AMERICAN SIGN LANGUAGE III (8 WEEKS)	3
AMSL	1140	NON-MANUAL SIGNALS	3
AMSL	1995	AMERICAN SIGN LANGUAGE IV (8 WEEKS)	3
ENGL	1109	TECHNICAL WRITING	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
			16

APPLIED DESIGN (FASHION DESIGN AND INTERIOR DESIGN)

Associate of Applied Science

Dr. Beth A. Newcome, Program Coordinator and Advisor
137 Education Building / (304) 367-4919
Beth.Newcome@pierpont.edu

Fashion Design Program Purpose:

Fashion Design is a comprehensive Applied Design program combining the study of design, textiles, clothing concepts and business. This program includes the study of apparel design and construction; historical costume as design inspiration; the business of fashion retailing; visual merchandising; and computer based design for manufactured apparel. Students participate in research and display of vintage apparel to illustrate how cultural, social and economic influences impact clothing choices and fashions.

The program is designed to provide both classroom and studio work with an on-the-job work experience in area businesses. The learning experience goes beyond the classroom and includes fashion show production, fashion events, community service projects, field trips, and a historical clothing project with the Masquer's Historic Costume Collections, an extensive collection of authentic apparel from north central West Virginia, 1840-1975.

Interior Design Program Purpose:

The Interior Design program prepares students for professional service in residential and/or commercial design work. Students have various opportunities to explore and apply principles and elements of interior design and to create functional and aesthetic interior environments.

Interior Design includes a study of design; functional space planning and universal access; furnishings and window treatments; materials and components; and technical rendering and presentation skills in conjunction with a business orientation. The program is designed to provide both classroom and studio work with an on-the-job work experience in area businesses. The learning experience goes beyond the classroom and includes working with actual clients and participating in design competitions through the student chapter of ASID, the American Society of Interior Designers. This AAS degree in Applied Design, Interior Design meets the academic requirements for ASID allied and professional membership.

Student Learning Outcomes:
(Fashion Design and Interior Design options)

Upon successful completion of the AAS degree in Fashion or Interior Design, graduates will be able to do the following:

- Apply knowledge of design theory and the elements and principles of design through organizing, manipulating, and solving design problems related to their field
- Identify historical periods, materials, components, and products that impact current trends and issues
- Communicate and justify, through written and oral presentation and portfolio development, the details, inspiration, problems, solutions, and the vision of their design
- Demonstrate an understanding of business practices, work ethic, professionalism, and consumer marketing principles as related to the products and services of their field

Opportunities in Fashion Design:

Graduates of this program are prepared to pursue entry-level careers in the fashion design business. Such careers include those of apparel buyer at the retail and wholesale level; fashion department and fashion boutique managers; visual fashion merchandisers (including window displays); bridal consultants; and independent apparel shop owners. In addition to strong job prospects, competitive salaries also await Fashion graduates; typical starting annual salaries range from $22-30,000.

This program can be articulated into a 2+2 program with the Bachelor of Science degree in Family and Consumer Sciences, with a major in Fashion Merchandising and a minor in Retail Management, without loss of credit through Fairmont State University.

Opportunities in Interior Design:

Graduates of the Associate degree in Interior Design are prepared to enter the job market at entry-level positions and pursue careers in professions such as interior designers, assistant designers, kitchen and bath designers, lighting designers, retail furniture and/or home improvement sales, and home staging consultants. Many new graduates begin their careers in small to medium size design firms as sales associates and assistant designers, with opportunities to advance. The placement of students is excellent.

The Interior Design program of Pierpont Community & Technical College is a student chapter of ASID, the American Society of Interior Designers. Students who are members of the ASID student organization may become allied members upon graduation. Allied members of ASID who graduate from this program meet the academic eligibility to sit for the NCIDQ (National Council for Interior Design Qualification) exam and to become a professional member.

Although West Virginia does not require professional interior designers to be licensed, many states do. This Interior Design degree will satisfy the academic requirement to take the exam to earn licensure. Students should consult the ASID website for further details regarding ASID membership and states requiring licensing.

Students may also take two additional courses to receive an AutoCAD certification while completing their degree. Students with AutoCAD certification have additional job opportunities in the entry-level design field.

This program, at both the associate and bachelors level, meets all academic requirements for ASID professional registration and can be articulated into a 2+2 program with the Bachelor of Science degree in Family and Consumer Sciences, with a major in Interior Design with additional study in Architectural Design and AutoCAD, at Fairmont State University, without loss of credit.

FASHION DESIGN

- Required Courses ....65 SEM. HRS.

APPD	1101	PRIN CLOTHING CONSTRUCTION	3
APPD	1102	APPAREL DESIGN	3
APPD	1103	CLOTHING AND CULTURE	3
APPD	1115	INTRO FASHION INDUSTRY	3
APPD	1116	HISTORY OF CONTEMP FASHION	3
APPD	1151	DESIGN CONCEPTS	3
APPD	2202	ADVANCED APPAREL DESIGN	4
APPD	2210	TEXTILES	3
APPD	2217	VISUAL MERCHANDISING	3
APPD	2995	APPLIED DESIGN PRACTICUM	4
BUSN	1102	INTRO TO BUSINESS	3
BUSN	1141	BUSINESS MATH	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENGL 0097)	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING (PR: "C" OR HIGHER IN ENGL 1104) ("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	3
FINE ARTS		FINE ARTS APPRECIATION ART 1120, MUSI 1120, OR THEA 1120	3
GRAPHICS ELECTIVE			3
GRAPHICS ELECTIVE			3
INFO	1100	COMPUTER CONCEPTS & APP	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3

- Fashion Design Minor.................................21 SEM. HRS.

APPD	1102	APPAREL DESIGN	3
APPD	1115	INTRODUCTION TO THE FASHION INDUSTRY	3
APPD	1116	HISTORY OF CONTEMPORARY FASHION	3
APPD	1151	DESIGN CONCEPTS	3
APPD	2217	VISUAL MERCHANDISING	3
APPD	1101	PRINCIPLES OF CLOTHING CONSTRUCTION	3
APPD	2210	TEXTILES	3

MODEL SCHEDULE ....65 SEM. HRS.

FRESHMAN FIRST SEMESTER

APPD	1115	INTRO FASHION INDUSTRY	3
APPD	1116	HISTORY OF CONTEMP FASHION	3
APPD	1151	DESIGN CONCEPTS	3
ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENGL 0097)	3
INFO	1100	COMPUTER CONCEPTS & APP	3
			15

FRESHMAN SECOND SEMESTER

APPD	1101	PRIN CLOTHING CONSTRUCTION	3
APPD	2210	TEXTILES	3
APPD	1102	APPAREL DESIGN	3
BUSN	1102	INTRO TO BUSINESS	3
FINE ARTS		FINE ARTS APPRECIATION ART 1120, MUSI 1120, OR THEA 1120	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
			18

SOPHOMORE FIRST SEMESTER

APPD	1103	CLOTHING AND CULTURE	3
APPD	2995	APPLIED DESIGN PRACTICUM (PR: APPD 1115)	4
BUSN	1141	BUSINESS MATH	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
GRAPHICS ELECTIVE			3
			16

SOPHOMORE SECOND SEMESTER

APPD	2217	VISUAL MERCHANDISING	3
APPD	2202	ADVANCED APPAREL DESIGN (PR: APPD 1102)	4
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
GRAPHICS ELECTIVE			3
			16

INTERIOR DESIGN

- Required Courses ....64 SEM. HRS.

APPD	1140	INTRO TO INTERIOR DESIGN	3
APPD	1151	DESIGN CONCEPTS	3
APPD	2210	TEXTILES	3
APPD	2217	VISUAL MERCHANDISING	3
APPD	2240	RESIDENTIAL DESIGN	4
APPD	2250	DESIGN IN HOME FURNISHINGS	3
APPD	2255	KITCHEN & BATH DESIGN	3
APPD	2260	CONTRACT DESIGN	4
APPD	2995	APPLIED DESIGN PRACTICUM	4
BUSN	1141	BUSINESS MATH	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
DRFT	2200	FUNDAMENTALS OF CAD	3
DRFT	2215	ARCHITECTURAL DRAFTING	4
DRFT	2245	ARCHITECTURE DESIGN	3

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
		(PR: "C" OR HIGHER IN ENGL 1104) ("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	
FINE ARTS		FINE ARTS APPRECIATION ART 1120, MUSC 1120, OR THEA 1120	3
INFO	1100	COMPUTER CONCEPT & APP	3
SOCY	1110	INTRO SOCIOLOGY	3

Recommended Elective (Select one)

CIVL	2210	LIGHT CONSTRUCTION	3
DRFT	2205	INTRO TO SOLID MOLDING	3
DRFT	2235	TECHNICAL DRAFTING	3
FINC	2260	REAL ESTATE PRINCIPLES	3

MODEL SCHEDULE ....64 SEM. HRS.

FRESHMAN FIRST SEMESTER

APPD	1140	INTRO. TO INTERIOR DESIGN	3
APPD	1151	DESIGN CONCEPTS	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENGL 0097)	3
INFO	1100	COMPUTER CONCEPTS & APP	3
			15

FRESHMAN SECOND SEMESTER

APPD	2210	TEXTILES	3
APPD	2250	DESIGN IN HOME FURNISHINGS	3
DRFT	2200	FUNDAMENTALS OF CAD (PR: INFO 1100)	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
APPD	2255	KITCHEN & BATH DESIGN	3
			15

SOPHOMORE FIRST SEMESTER

APPD	2240	RESIDENTIAL DESIGN (PR: APPD 1140)	4
APPD	2995	APPLIED DESIGN PRACTICUM (PR: APPD 1140)	4
BUSN	1141	BUSINESS MATH	3
DRFT	2215	ARCHITECTURAL DRAFTING (PR: DRFT 2200)	4

RECOMMENDED ELECTIVE
(Select one)

CIVL	2210	LIGHT CONSTRUCTION	3
DRFT	2205	INTRO TO SOLID MOLDING	3
DRFT	2235	TECHNICAL DRAFTING	3
FINC	2260	REAL ESTATE PRINCIPLES	3
			18

SOPHOMORE SECOND SEMESTER

APPD	2217	VISUAL MERCHANDISING	3
APPD	2260	CONTRACT DESIGN (APPD: 1140)	4
BUSN	2205	SM. BUSINESS FUNDAMENTALS	3
DRFT	2245	ARCHITECTURE DESIGN (PR: DRFT 2200)	3
FINE ARTS		FINE ARTS APPRECIATION ART 1120, MUSC 1120, OR THEA 1120	3
			16

ARCHITECTURAL ENGINEERING TECHNOLOGY

(Associate of Science)

(See Fairmont State University, Department of Technology)

AIRFRAME AND AEROSPACE ELECTRONICS TECHNOLOGY

Associate of Applied Science

Thomas Stose, Professor
1050 E. Benedum Industrial Drive / (304) 842-8300
North Central WV Airport
Bridgeport, WV 26330
Thomas.Stose@pierpont.edu

Program Purpose:

The Airframe and Aerospace Electronics Technology Degree provides training in aircraft airframe construction and repair, as well as training on aircraft communication and navigation equipment.

Students will learn to perform maintenance, remove & replace components, troubleshoot, and repair aircraft electronic communication and navigation equipment in the aircraft and in the avionics lab. They will also learn to develop plans to analyze and develop solutions for aircraft electronic problems using approved manuals.

This program focuses on the areas of knowledge required to be qualified to take the two written tests of the Federal Aviation Administration (FAA) Part 147 General and Airframe tests. Graduates will also be qualified to complete a Federal Communications Commission (FCC) test for certification. After successful completion of the written exams the student will complete an Oral & Practical exam that will qualify them for an FAA Airframe license. The technical areas of study focus on the electrical and electronic aspects of aircraft airframes, power plants, and all supporting aircraft subsystems. They will learn the principles and procedures to work on aircraft ranging from small general aviation aircraft to transport category aircraft.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Airframe and Aerospace Electronics Technology, graduates will be able to do the following:

- Successfully complete a series of FAA written exams (General & Airframe)
- Pass an Oral and Practical exam administered by the FAA for certification
- Complete FCC certification exams to qualify for an General Radiotelephone Operator License certificate

Opportunities:

Upon completion of the FAA and FCC tests, the graduate will be issued a temporary FAA certificate while awaiting their permanent license by the FAA at Oklahoma City.

Graduates with the Associate of Applied Science degree in Airframe and Aerospace Electronics Maintenance Technology are qualified forentry level positions to work as Avionics Technicians and Airframe Technicians. They will be qualified for positions in General Aviation and Transport Category fields of employment. They will be approved for work on small aircraft, corporate aircraft, helicopters, and transport aircraft, and they will be qualified to work at many worksites, including fixed base operations, third party maintenance facilities, and overhaul, repair facilities, and airline operations.

All credit hours taken in this Associate degree program may be applied to the Bachelor of Science degree program in Aviation Maintenance Management at Fairmont State University.

MODEL SCHEDULE ....72 SEM. HRS.

FRESHMAN FIRST SEMESTER

AVIO	2208	AVIONICS MAINTENANCE PRACTICES	3
AVMT	1101	INTRO. TO AVIATION MAINTENANCE	3
AVMT	1102	AIRCRAFT REGULATIONS & PUBLICATIONS	3
AVMT	1103	AVIATION SHOP PRACTICES	3
MATH	1101	APPLIED TECHNICAL MATH (FAA REQUIRED)	3
			15

FRESHMAN SECOND SEMESTER

AVIO	1102	PRINC. OF RADIO & TRANS. REC.	3
AVMT	1105	AIRCRAFT UTILITY SYSTEMS	3
AVMT	1109	AVIATION ELECTRONICS	3
AVMT	2202	AIRCRAFT SHEET METAL	3
ENGL	1104	WRITTEN ENGLISH	3
			15

FRESHMAN SUMMER 1

AVIO	2202	INSTRUMENT LANDING	3
SOCIAL SCIENCE ELECTIVE			3
			6

FRESHMAN SUMMER 2

AVMT	2206	AIRCRAFT FLUID POWER AND LANDING GEAR SYS.	3
			3

SOPHOMORE FIRST SEMESTER

AVIO	1110	AIRCRAFT POWER GEN. & DIST. SYS.	3
AVIO	2200	ELECTRONIC FLIGHT MANAGEMENT	3
AVIO	2204	AIRCRAFT NAVIGATION SYSTEMS	3
AVMT	2209	AIRFRAME INSPECTION & FLIGHT CONTROLS	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
			15

SOPHOMORE SECOND SEMESTER

AVIO	2206	AIRCRAFT COMM. SYSTEMS	3
AVIO	2209	AIRCRAFT PULSE & RADAR	3
AVMT	2208	CABIN ATMOSPHERE CONTROL	3
AVMT	2210	NON-METALLIC STRUCTURES	3
ENGL	1109	TECHNICAL REPORT WRITING ("C" OR BETTER)	3
			15

SOPHOMORE SUMMER 1

AVIO	2210	FCC LICENSE PREP	3
			3

SOPHOMORE SUMMER 2

AVMT	2299	SPECIAL TOPICS (OPTIONAL)	3
			3

Notes to Degree Plan:

1) The AVMT FAA Capstone Review Class is offered both Summer 1 to prepare second-year AMT Majors for taking the FAA written, oral and practical A & P certification exams. This class, while highly recommended, is not an FAA certificate requirement.
2) Must achieve a "C" grade or better in all AVMT and AVIO classes to graduate.

AVIATION MAINTENANCE TECHNOLOGY

Associate of Applied Science

Thomas Stose, Professor
1050 E. Benedum Industrial Drive / (304) 842-8300
North Central WV Airport
Bridgeport, WV 26330
Thomas.Stose@pierpont.edu

Program Purpose:

The Aviation Maintenance Technology Degree provides training in aircraft technology. Students will learn to perform maintenance, remove & replace components, troubleshoot, and repair aircraft systems. They will also learn to develop plans to analyze and develop solutions for aircraft problems using approved maintenance materials. This program focuses on the areas of knowledge required to be qualified to take the Federal Aviation Administration (FAA) Part 147 tests. It prepares them to successfully complete the three written tests required by the FAA. After successful completion of the written exams, the student will complete an Oral & Practical exam that will qualify them for an FAA Airframe and Power Plant Certificate. The technical areas of study focus on the mechanical aspects of aircraft airframes, power Plants, and all supporting aircraft subsystems. They will learn to work on a wide range of aircraft, from small general aviation aircraft to transport category aircraft.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Aviation Maintenance Technology, graduates will be able to do the following:

- Successfully complete a series of FAA written exams (General, Airframe, & Power plant)
- Pass an oral and practical exam administered by an FAA designated examiner for certification

Opportunities:

Upon completion of the FAA tests, the graduate will be issued a temporary FAA certificate while awaiting their permanent license by the FAA at Oklahoma City.

Graduates with the Associate of Applied Science degree in Aviation Maintenance Technology are qualified forentry level positions to work as Airframe and Power Plant Technicians (AMT). They will be approved for work on small aircraft, corporate aircraft, helicopters, and transport aircraft.

Graduates will be qualified to work at many worksites, including third party maintenance facilities, overhaul and repair facilities, and airline and fixed base operations.

All credit hours taken in this Associate degree program may be applied to a Bachelor degree program in Aviation Technology.

- Aviation Maintenance Technology ....68 SEM. HRS.

AVMT	1101	INTRO. TO AVIATION MAINTENANCE	3
AVMT	1102	AIRCRAFT REGULATIONS & PUBLICATIONS	3
AVMT	1103	AVIATION SHOP PRACTICES	3
AVMT	1105	AIRCRAFT UTILITY SYSTEMS	3
AVMT	1109	AIRCRAFT ELECTRONICS	3
AVMT	2201	RECIPROCATING ENGINES & SYSTEMS	3
AVMT	2202	AIRCRAFT SHEET METAL STRUCTURES	3
AVMT	2203	RECIPROCATING ENGINE MAINTENANCE & RETURN TO SERVICE	5
AVMT	2204	PROPELLER SYSTEMS	3
AVMT	2205	TURBINE ENGINES AND SYSTEMS	3
AVMT	2206	AIRCRAFT FLUID POWER & LANDING GEAR SYSTEMS	3
AVMT	2207	TURBINE ENGINE MAINTENANCE & INSPECTION	3
AVMT	2208	CABIN ATMOSPHERE CONTROL SYSTEMS	3
AVMT	2209	AIRCRAFT FLIGHT CONTROL SYSTEMS	3
AVMT	2210	NON-METALLIC STRUCTURES	3
AVMT	2211	AIRCRAFT INFORMATION SYSTEMS	3
AVIO	1110	AIRCRAFT POWER GENERATION AND DISTRIBUTION SYSTEMS	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
ENGL	1104	WRITTEN ENGLISH I ("C" OR BETTER)	3
ENGL	1109	TECHNICAL REPORT WRITING	3

MATH	1101	APPLIED TECHNICAL MATH I	3
SOCIAL SCIENCES ELECTIVE			3

MODEL SCHEDULE ....68 SEM. HRS.

FRESHMAN FIRST SEMESTER

AVMT	1101	INTRODUCTION TO AVIATION MAINTENANCE	3
AVMT	1102	AIRCRAFT REGULATIONS & PUBLICATIONS	3
AVMT	1103	AVIATION SHOP PRACTICES	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
MATH	1101	APPLIED TECHNICAL MATH	3
			15

FRESHMAN SECOND SEMESTER

AVMT	1105	AIRCRAFT UTILITY SYSTEMS	3
AVMT	1109	AVIATION ELECTRONICS AIRCRAFT	3
AVMT	2201	RECIPROCATING ENGINES & SYSTEMS	3
AVMT	2202	AIRCRAFT SHEET METAL	3
ENGL	1104	WRITTEN ENGLISH I	3
			15

FRESHMAN SUMMER 1

AVMT	2204	AIRCRAFT PROPELLER & CONTROL SYSTEMS	3
-OR-			
AVMT	2206	AIRCRAFT FLUID POWER & LANDING GEAR	3
			3

FRESHMAN SUMMER 2

AVMT	2204	AIRCRAFT PROPELLER & CONTROL SYSTEMS	3
-OR-			
AVMT	2206	AIRCRAFT FLUID POWER & LANDING GEAR	3
			3

SOPHOMORE FIRST SEMESTER

AVIO	1110	AIRCRAFT POWER GENERATION & DISTRIBUTION	3
AVMT	2203	RECIP. ENGINE MAINT. & RETURN TO SERVICE	5
AVMT	2205	TURBINE ENGINES & SYSTEMS	3
AVMT	2209	AIRFRAME INSPECTION & FLIGHT CONTROL SYST.	3
ENGL	1109	TECHNICAL REPORT WRITING	3
			17

SOPHOMORE SECOND SEMESTER

AVMT	2207	TURBINE ENGINE MAINTENANCE & INSPECTION	3
AVMT	2208	CABIN ATMOSPHERE CONTROL SYSTEM	3
AVMT	2210	NON-METALLIC STRUCTURES	3
AVMT	2211	AIRCRAFT INFORMATION SYSTEMS	3
SOCIAL SCIENCE ELECTIVE			3
			15

SOPHOMORE SUMMER 1

AVMT	2299	SPECIAL TOPICS	3
			3

SOPHOMORE SUMMER 2

AVMT	2299	SPECIAL TOPICS	3
			3

Notes to Degree Plan:

1) The AVMT FAA Capstone Review Class is offered both Summer 1 and Summer 2 of each year to prepare second-year AMT Majors for taking the FAA written, oral and practical A & P certification exams. This class, while highly recommended, is not an FAA certificate requirement.
2) All First Semester classes (AVMT 1101, 1102, & 1103) are pre-requisites for all subsequent classes.

BALLROOM DANCE

Skill Set

Dr. Beth A. Newcome
137 Education Building / (304) 367-4919
Beth.Newcome@pierpont.edu

Program Purpose:

The Ballroom Dancing Skill Set offers studentspractical experience and training required for Ballroom Dancing competition and/or for employment as Ballroom Dancing teachers in a variety of venues, including private dance studios and/or social dance event businesses. Many students in various programs opt to complete this program as they complete required elective hours within their major; twenty credit hours from this program may be applied as elective hours in other programs.

Students who go through this program will use the"Dance Vision International Dance Association" (DVIDA) curriculum that will provide a broad knowledge of ballroom dances, making them well prepared for the potential job markets in this field. The DVIDA Medal System provides an organized way to prepare teachers of ballroom dance and those seeking to develop personal ballroom dance skills. With the DVIDA program, students will be able to enhance both excellence and skill with a program that supports progress from one skill level to the next through metal testing and certification. In addition, Pierpont C&T/Fairmont State University sponsor the Ballroom Dance student association, which provides students an opportunity to complete in regional competitions with other teams from major universities.

Student Learning Outcomes:

Upon successful completion of the Ballroom Dance Skill Set, graduates will be able to do the following:

- Dance at Bronze level in International Standard, Latin, and American Smooth and Rhythm styles
- International-style; waltz, tango, fox trot, quickstep
- International Latin; cha cha, rumba, salsa, samba, jive
- American Smooth; waltz, tango, fox trot, quickstep
- American Rhythm; cha cha, rumba, swing
- Dance at Gold level in ONE or more of the four styles
- Teach both male and female dance moves and posture
- Identify music repertoires and count rhythms and music used for ballroom dancing
- Discuss the history, culture, etiquette, and related behaviors for various dance styles
- Test through DVIDA examination at each level of bronze.

Opportunities:

Upon successful completion of the Ballroom Dancing certificate, students will be eligible to apply their Gold level "amateur" medal(s) to competitions for "professional" medal(s) through (ISTD) (Imperial Society of Teachers of Dancing). Students who earn Gold-level distinctions in all four areas of dance through ISTD will also be eligible to apply to be a certified examiner with ISTD. Students with the Ballroom Dancing certificate are eligible to teach Ballroom Dancing in the some public and private schools, including adult education classes. Students with this certificate are often recruited to be instructors at private schools of dance and instructor/performers for international entertainment industries, including cruise lines and luxury hotels and resorts, where social ballroom dancing instruction is promoted.

Required Courses:

- Ballroom Dancing ....20 SEM. HRS.

DANC	1100	INTRODUCTION TO SOCIAL BALLROOM DANCING*	2
DANC	1107	INTRODUCTION TO DANCE*	2
DANC	1110	BALLROOM DANCING CULTURE AND REPERTOIRE	2
DANC	1115	PHYSICAL CONDITIONING FOR BALLROOM DANCE	1
DANC	1995	BALLROOM DANCING INSTRUCTION PRACTICUM	3
DANC	2201	BRONZE WALTZ/RUMBA	2
DANC	2202	BRONZE FOXTROT/SWING	2
DANC	2203	BRONZE TANGO/CHA CHA	2
DANC	2204	BRONZE VIENNESE/BOLERO/MAMBO	2
DANC	2255	BEST PRACTICES FOR STUDIO MANAGEMENT	2

* *Student may test out*

BOARD OF GOVERNORS

Associate in Applied Science

J.J. Davis, Program Coordinator
248 Hardway Hall / (304) 367-4979
jdavis@fairmontstate.edu

Janice Watts, Advisor
353 Education Building / (304) 367-4193
jwatts@fairmontstate.edu

Program Purpose:

The Board of Governors A.A.S. Degree is designed for adults who would like to complete an Associate's degree with a technical or occupational focus without committing to a particular academic major. This degree option is available only to those adults who have graduated from high school a minimum of two years prior to admission. (GED recipients may apply to the program after their assigned class would have graduated.) The Board of Governors A.A.S Degree provides adults the opportunity to document through a portfolio process certain work and life experiences for academic credit. (Certain standardized tests, military credits, challenge exams, other formal training programs, licensures, and certifications are examples of such work that may be documented for credit.)

Student Learning Outcomes:

Upon successful completion of the Board of Governors A.A.S. degree, graduates will be able to do the following:

- Demonstrate successful completion of those student learning outcomes detailed in their selected focus courses

Opportunities:

Students graduating with a Board of Governors A.A.S. degree may choose to apply all hours of that degree to the WV Regents Bachelors of Arts degree program at Fairmont State University (or another WV Bachelor-degree granting college or university). Students may also use the BOG A.A.S. in their employment search for any position with the minimum expectation of the candidate having completed at least two years of college-level coursework.

- Board of Governors
  (with minimum 2.00 GPA)............................60 SEM. HRS.

- Component I - General Education* ....21 SEM. HRS.
  Communications... 6
  Mathematics/Science.................................... 6
  Computer Literacy....................................... 3
  Social Sciences 6

- Component II - General Electives..................39 SEM. HRS.

This component may consist of credit hours from the following options: electives; area of emphasis with technical or occupational focus (minimum 15 hours required); portfolio development and submission (tied to existing courses); CLEP and DANTES exams, military credits, challenge exams, and/or special assessment of licensure/certifications or formal training programs. There is a fee attached to evaluation of portfolio and standardized awards.

* *Course options for completion of general education core:*

COMMUNICATIONS:
ENGLISH 1104, 1108, 1109; COMM 2200

MATHEMATICS AND/OR SCIENCES:
MATH 1107, 1111, 1112; SCIENCE 1199, BIOLOGY 1105, CHEMISTRY 1101, 1110, PHYSICS 1101, GEOLOGY 1101

COMPUTER LITERACY:
INFORMATION SYSTEMS 1100, CS 1100, CS 1101

SOCIAL SCIENCES:
HISTORY 1107, 1108, 2211, 2212, 2213, SOCIOLOGY 1100; PO SCI 1103; PSYCHOLOGY 1101; GEOGRAPHY 2210; ECONOMICS 2200

Special Notes:

1) This program is available to students who have graduated from high school two or more years prior to enrollment. For those students who earned their GED certificate, it must be two years from the date their class would have graduated.
2) To fulfill residency requirements a minimum of 12 credit hours must be completed from a regionally accredited higher educational institution.
3) A minimum of 15 credit hours are required for an Area of Emphasis (optional). For more information on approved areas of emphasis, contact the Coordinator.
4) Students desiring to submit portfolio(s) for credit evaluation must meet with the Program Coordinator for direction and must be enrolled in the program.
5) Students seeking college credit for certifications/licenses/training approved by the State Board of Governors Degree Program must meet with the Program Coordinator and provide official copies of certifications/licenses/training.

BUSINESS TECHNOLOGY

Associate of Applied Science

Donna Snyder, Professor
202c Engineering Tech / (304) 367-4188
Donna.Snyder@pierpont.edu

Program Purpose:

The A.A.S. Business Technology Degree helps to provide students with an opportunity to develop job-related skills while increasing awareness of their roles and responsibilities toward society through their profession. This degree program helps to address the educational needs for trained human resources in the service area of Pierpont Community and Technical College and gives graduates the necessary skills to function professionally in today's business environment.

This degree has two tracks: Accounting and General Business.

Student Learning Outcomes for the Accounting track:

This program is designed to produce graduates who are able to:

- Exhibit mastery of the accounting cycle and exhibit mastery of the ability to analyze financial statements and information
- Demonstrate working knowledge of application software used in accounting
- Write in a clear and professional manner
- Communicate effectively with co-workers and supervisors

Student Learning Outcomes for the General Business track:

This program is designed to produce graduates who are able to:

- Exhibit basic knowledge of business principles and procedures
- Write in a clear and professional manner
- Prepare and deliver an effective business presentation
- Effectively use technologies appropriate to their discipline
- Identify and analyze ethical issues in a professional manner
- Exhibit basic knowledge of personal and business finance

Students learning outcomes will be validated by the completion of national recognized assessments. Students will complete these assessments during their final program semester.

Opportunities:

Graduates of the Associate of Applied Science degree in Business Technology are qualified for entry level positions in business organizations, industrial corporations, government agencies, and independent firms and businesses. Some graduates choose to become entrepreneurs; others choose to continue their education in a Bachelor's Degree in a business-related field.

- Business Technology.....................................66 SEM. HRS.
- Required Core Courses.................................42 SEM. HRS.

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN	1102	INTRODUCTION TO BUSINESS	3
BUSN	1141	BUSINESS MATHEMATICS	3
BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
FINC	2230	FINANCIAL LITERACY	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3

ACCOUNTING SPECIALIZATION

- Business Core ....42 SEM. HRS.
- Required Courses..15 SEM. HRS.
- Business Technology Electives..........................9 SEM. HRS.

ACCT	2215	MANAGERIAL ACCOUNTING	3
ACCT	2216	INCOME TAX PROCEDURES	3
ACCT	2217	CONCEPTS OF COMPUTERIZED ACCOUNTING (QUICKBOOKS)	3
ACCT	2995	PROFESSIONAL INTERNSHIP & PORTFOLIO DEVELOPMENT	3
INFO	2220	SPREADSHEET DESIGN	3

Select an additional 9 hours from the following:

BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
BUSN	2248	BUSINESS ESSENTIALS	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
MGMT	2214	OFFICE MANAGEMENT	3
OFAD	1100	MICROCOMPUTER KEYBOARDING	3
ELECTIVES (ADVISOR APPROVAL REQUIRED)			6

MODEL SCHEDULE ....66 SEM. HRS.

FRESHMAN FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
BUSN	1102	INTRODUCTION TO BUSINESS	3
ECON	2201	ECONOMIC PRINCIPLES & PROBLEMS I	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
			15

FRESHMAN SECOND SEMESTER

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN	1141	BUSINESS MATHEMATICS	3
BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
ENGL	1109	TECHNICAL REPORT WRITING	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
			15

SOPHOMORE FIRST SEMESTER

ACCT	2215	MANAGERIAL ACCOUNTING	3
ACCT	2217	CONCEPTS OF COMPUTERIZED ACCOUNTING (QUICKBOOKS)	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
FINC	2230	FINANCIAL LITERACY	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
BUSINESS TECHNOLOGY ELECTIVE			3
			18

SOPHOMORE SECOND SEMESTER

ACCT	2216	INCOME TAX PROCEDURES	3
ACCT	2995	PROFESSIONAL INTERNSHIP & PORTFOLIO DEVELOPMENT	3
INFO	2220	SPREADSHEET DESIGN	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
BUSINESS TECHNOLOGY ELECTIVES			6
			18

GENERAL BUSINESS SPECIALIZATION

- Business Core ....42 SEM. HRS.
- Required Courses.......................................15 SEM. HRS.
- Business Technology Electives.........................9 SEM. HRS.

BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
BUSN	2995	INTEGRATED BUSINESS STRATEGIES	3
ECON	2202	ECONOMIC PRINCIPLES & PROBLEMS II	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3

Select an additional 9 hours from the following:

BUSN	2248	BUSINESS ESSENTIALS	3
FINC	1180	PRINCIPLES OF BANKING	3
FINC	2260	REAL ESTATE PRINCIPLES	3
FINC	2261	REAL ESTATE LAW	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	2220	SPREADSHEET DESIGN	3
INFO	2225	FUNDAMENTALS OF WEB DESIGN	3
MKTG	2205	SALESMANSHIP & SALES MANAGEMENT	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2245	MICROSOFT CERTIFICATION PREPARATION	1-6
ELECTIVE (ADVISOR APPROVAL REQUIRED)			3

MODEL SCHEDULE ....66 SEM. HRS.

FRESHMAN FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
BUSN	1102	INTRODUCTION TO BUSINESS	3
BUSN	1141	BUSINESS MATHEMATICS	3
ECON	2201	ECONOMIC PRINCIPLES & PROBLEMS I	3
ENGL	1104	WRITTEN ENGLISH I	3
			15

FRESHMAN SECOND SEMESTER

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
ECON	2202	ECONOMIC PRINCIPLES & PROBLEMS II	3
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
			15

SOPHOMORE FIRST SEMESTER

BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
BUSINESS TECHNOLOGY ELECTIVE			6
			18

SOPHOMORE SECOND SEMESTER

BUSN	2251	CORPORATE COMMUNICATIONS	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
BUSN	2995	INTEGRATED BUSINESS STRATEGIES	3
FINC	2230	FINANCIAL LITERACY	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
BUSINESS TECHNOLOGY ELECTIVE			3
			18

CAD (COMPUTER AIDED DESIGN)
Skill Set

Gerald Bacza
302a Engineering Technology Building / (304) 367-4632
Gerald.Bacza@pierpont.edu

John "Chris" Toothman
408 Engineering Technology Building/ (304) 367-4977
ctoothman@pierpont.edu

Program Purpose:

The Computer-Aided Design (CAD) Skill Set provides an opportunity for students to gain introductory/intermediate level skills and knowledge in the area of Computer Aided Drafting (CAD) through the Drafting/Design program.

A CAD Skill Set consists of five courses from the current AAS Drafting/Design Engineering Technology program and may serve as a stand-alone program. This CAD certificate could be used for entry-level employment or to further develop skills and knowledge related to a student's current major.

Student Learning Outcomes:

Upon successful completion of the 16-hour Skill Set Certificate CAD Program, graduates will be able to do the following:

- Use tools and technologies of the CAD draftsperson effectively
- Use a computer workstation to produce engineering drawings and manage engineering-related data
- Demonstrate competency with drafting standards
- Complete and edit drawings in the various disciplines

Opportunities:

Some students find that the CAD certificate alone meets their educational and/or career needs. Other students choose to use the CAD certificate to explore potential choices for another major in a related Associate or Baccalaureate degree. For example, the CAD certificate particularly complements Associate degrees in Architecture, Aviation, Civil Engineering Technology, Electronics Engineering Technology, Mechanical Engineering Technology, Graphics Technology, Applied Design, Interior Design and Information Services. All CAD courses may be applied to the AAS degree in Drafting/Design Technology at Pierpont C&TC.

- REQUIRED COURSES: ....16 SEM. HRS.

DRFT	2200	FUNDAMENTALS OF CAD	3
DRFT	2205	INTRODUCTION TO SOLID MODELING	3
DRFT	2215	ARCHITECTURAL DRAFTING	4
DRFT	2235	TECHNICAL DRAFTING	3
DRFT	2245	ARCHITECTURAL DESIGN	3

CIVIL ENGINEERING TECHNOLOGY
(Associate of Science)

(See Fairmont State University, Department of Technology)

CLASSROOM TEACHER'S AIDE (PARA-EDUCATION)

6 Credit-Hour Skill Set

Kristie Latocha, Program Manager
137 Education Building / (304) 367-4919
Kristie.latocha@pierpont.edu

Program Purpose:

This program is designed to prepare highly qualified Paraprofessionals to work in the elementary and secondary classrooms. This is a 6-hour skill set that will satisfy the West Virginia Department of Education's qualifications for a Teacher Aide III position in both elementary and early childhood classrooms. Students who begin their education in this Skill Set will be prepared to continue in a curriculum that provides a pathway from Aide to Teacher. This six-hour Skill Set is the first step in that process.

Student Learning Outcomes:

Upon successful completion of the 6-hour Skill Set Certificate Program as a Teacher's Aide, graduates will be able to do the following:

- Identify developmental stages of grow and development
- Apply developmentally appropriate teaching strategies while working with special needs children

Opportunities:

NOTE: A background check is required for employment in this field.

Graduates with this 6-hour Teacher Aide Certificate will be classified as a Teacher Aide III as defined by the West Virginia Department of Education.Graduates will have the opportunity to work in a special education classroom in both the elementary and secondary levels.In addition, the graduate will be qualified to work alongside a professional educator in a Kindergarten setting.

Many students continue their education by working towards an Associate degree in Para-Education and ultimately towards a Bachelors degree in Elementary Education at Fairmont State University.

- Required Courses ....6 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3

CLASSROOM TEACHING ASSISTANT (PARA-EDUCATION)

18 Credit-Hour Skill Set

Kristie Latocha, Program Manager
137 Education Building / (304) 367-4919
Kristie.latocha@pierpont.edu

Program Purpose:

This program is designed to prepare highly qualified Paraprofessionals to work in the elementary and secondary classrooms. This is an 18-credit hour Skill Set that will satisfy the West Virginia Department of Education's qualifications for a Teacher Aide IV position in both elementary and early childhood classrooms. Students who complete this Skill Set will be prepared to continue in a curriculum that ultimately provides a pathway to a teaching degree.

Student Learning Outcomes:

Upon successful completion of the 6-hour Skill Set Certificate Program as a Teacher's Aide, graduates will be able to do the following:

- Demonstrate competency in basic skills, including reading, writing, and mathematical computation, while working with children and assisting the teaching professional
- Identify developmental stages of growth and development
- Apply developmentally appropriate teaching strategies while working with special needs children

Opportunities:

NOTE: A background check is required for employment in this field.

Graduates with this 18-hour Classroom Teaching Assistant Skill Set will be classified as a Teacher Aide IV as defined by the West Virginia Department of Education. Graduates will have the opportunity to work in a special education classroom in both the elementary and secondary levels. In addition, the graduate will be qualified to work alongside a professional educator in a Kindergarten setting.

Many students continue their education by working towards an Associate degree in Para-Education and ultimately towards a Bachelors degree in Elementary Education at Fairmont State University.

- Required Courses ....18 SEM. HRS

COMM	2200	INTRO. TO HUMAN COMMUNICATION	3
EDUC	1105	BASIC SKILLS FOR INSTRUCTIONAL SUPPORT	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3

MODEL SCHEDULE ....18 SEM. HRS.

FRESHMAN FIRST SEMESTER

EDUC	1105	BASIC SKILLS FOR INSTRUCTIONAL SUPPORT	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
ENGL	1104	WRITTEN ENGLISH I	3
			9

SPRING SEMESTER

COMM	2200	INTRO. TO HUMAN COMMUNICATION	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
			9

CRIMINAL JUSTICE

Associate in Applied Science

Les Boggess, Program Coordinator
315 Hardway Hall / (304) 367-4678
lboggess@pierpont.edu

Program Purpose:

The A.A.S. Criminal Justice program at Pierpont Community & Technical College provides students with a broad orientation to the entire system of criminal justice. In order to accommodate students' various backgrounds and career aspirations, the program allows students (with advisor assistance and approval) some flexibility in structuring the curriculum to meet their individual interests and career-related needs.

Student Learning Outcomes:

Upon successful completion of the Associate of Applied Science in Criminal Justice, graduates will be able to do the following:

- Identify and explain the inter-related components of law enforcement, the correctional system, the court systems, and their basis in the US Constitution and legislation
- Identify and explain causes of crime and trends in crime
- Write effectively for the field including police reports and summations of cases
- Assess the effectiveness of certain conduct when dealing with diverse populations especially in the investigative and interviewing process
- Evaluate the appropriateness of certain behaviors as they relate to suitability for employment in the Criminal Justice profession

Opportunities:

NOTE: A background check is required for employment in this field.

Graduates of this program are often employed by local, county, and state governments; industrial commercial coordinators; security agencies; and social service agencies as police officers, correctional officers, security/loss prevention specialists, and private investigators.

- Criminal Justice ....65 SEM. HRS.
- General Studies Courses...............................30 SEM. HRS.

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
POLI	1103	AMERICAN GOVERNMENT	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
PSYC	2250	COMMUNITY PSYCHOLOGY	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
SOCY	2200	SOCIAL PROBLEMS	3
COMM	2200, 2201 OR 2202	COMMUNICATION	3
MATH OR SCIENCE GENERAL STUDIES COURSE			3

- Criminal Justice Required Courses ....18 SEM. HRS.

CRJU	1100	INTRODUCTION TO CRIMINAL JUSTICE	3
CRJU	1101	POLICE OPERATIONS	3
CRJU	2202	PRINCIPLES OF CRIMINAL LAW I	3
CRJU	2206	INTRODUCTION TO CORRECTIONS	3
CRJU	2212	DEVIANT BEHAVIOR	3
CRJU	2240	ADJUDICATION PROCESS	3

- Criminal Justice Elective Courses ....12 SEM. HRS.

CRJU	1199	SPECIAL TOPICS	1-6
CRJU	2204	POLICE DEFENSE TACTICS	1
CRJU	2205	NATURAL RESOURCE LAWS	3
CRJU	2209	FIREARMS	3
CRJU	2215	INTRODUCTION TO PRIVATE SECURITY	3
CRJU	2218	POLICE ADMINISTRATION	3
CRJU	2220	JUVENILE JUSTICE PROCESS	3
CRJU	2226	CRIME SCENE INVESTIGATION	3
CRJU	2236	CRIMINAL INVESTIGATION	3
CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	2255	LAW OF CORRECTIONS	3
CRJU	2256	HOMICIDE INVESTIGATION	3
CRJU	2266	SEX CRIMES	3
GENERAL ELECTIVES			5

MODEL SCHEDULE ....65 SEM. HRS.

FRESHMAN FIRST SEMESTER

CRJU	1100	INTRO TO CRIMINAL JUSTICE	3
ENGL	1104	WRITTEN ENGLISH I	3
POLI	1103	AMERICAN GOVERNMENT	3
PSYC	1101	INTRO TO PSYCHOLOGY	3
SOCY	1110	INTRO TO SOCIOLOGY	3
			15

FRESHMAN SECOND SEMESTER

CRJU	1101	POLICE OPERATIONS	3
CRJU	2202	PRINCIPLES OF CRIMINAL LAW	3
ENGL	1108	WRITTEN ENGLISH II	
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
PSYC	2250	COMMUNITY PSYCHOLOGY	3
SOCY	2200	SOCIAL PROBLEMS	3
			15

SOPHOMORE FIRST SEMESTER

COMM	2200, 2201 OR 2202	COMMUNICATION	3
CRJU	2206	INTRO TO CORRECTIONS	3
CRJU	2212	DEVIANT BEHAVIOR	3
MATH OR SCIENCE			3
CRJU ELECTIVE			3
GENERAL ELECTIVE			3
			18

SOPHOMORE SECOND SEMESTER

CRJU	2240	ADJUDICATION PROCESS	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
CRJU ELECTIVE			3
CRJU ELECTIVE			3
CRJU ELECTIVE			3
GENERAL ELECTIVE			2
			17

DRAFTING / DESIGN ENGINEERING TECHNOLOGY

Associate of Applied Science

John "Chris" Toothman, Assistant Professor
408 Engineering Technology Building / (304) 367-4977
***Ctoothman*@pierpont.edu**

Program Purpose:

The Drafting/Design Engineering Technology program at Pierpont Community and Technical College is designed to provide students with practical knowledge, technical skills, verbal and written communication skills, and the mathematical ability required to develop various drawings used for illustration, industrial applications, and architectural design. Strong emphasis is placed on projection theory, American National Standards Institute (ANSI) standards, and modern industrial practice.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Drafting/ Design Engineering Technology, graduates will be able to do the following:

- Use tools and technologies of the CAD draftsperson effectively
- Use a computer workstation to produce engineering drawings and manage engineering related data
- Demonstrate competency with manual drawing on a board
- Comply with drafting Standards
- Complete and edit drawings in the various disciplines
- Design, analyze, and use engineering drawings to improve process and products
- Demonstrate a commitment to quality and continuous quality improvement
- Demonstrate skills of oral, written, and graphical communication
- Appreciate and engage in life- long learning
- Function as a team member
- Understand the importance of ethical behavior in the professions, society, and economy
- Enter the job market or continue pursuing and advanced degree

Opportunities:

Graduates with this A.A.S. degree are qualified for entry-level technical positions in engineering, architectural, and or manufacturing-related firms. The strong math, science, and communication background provided by this degree allows graduating students to enter the job market as technicians, supervisors, and project managers. Specific job titles include drafter, tracer, design drafter, designer, CAD operator, engineering assistant, engineering technicians, graphics specialist, and project manager.

In addition to being prepared to enter the workforce immediately, many graduates of this program transfer into baccalaureate programs, often in the technology fields within the School of Science and Technology at Fairmont State University, such as Mechanical Engineering Technology, Civil Engineering Technology, Electronics Engineering Technology, Architecture, Graphics Technology or Technology Education.

Required Courses

- Drafting/Design Engineering Technology ....65 SEM. HRS. (TAC of ABET Accredited)

DRFT	1100	ENGINEERING GRAPHICS	3
DRFT	2200	FUNDAMENTALS OF CAD	3
DRFT	2205	INTRODUCTION TO SOLID MODELING	3
DRFT	2215	ARCHITECTURAL DRAFTING	4
DRFT	2225	DESCRIPTIVE GEOMETRY	3
DRFT	2235	TECHNICAL DRAFTING	3
DRFT	2245	ARCHITECTURAL DESIGN	3
DRFT	2995	TOOL DESIGN	4
ECON	2200	INTRODUCTION TO ECONOMICS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
-OR-			
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
MATH	1101	APPLIED TECHNICAL MATH I	3
MATH	1102	APPLIED TECHNICAL MATH II	3
MANF	1100	MATERIALS AND PROCESSES	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
COMM	2202	INTRO TO COMM. IN THE WORLD OF WORK (RECOMMENDED)	3
-OR-			
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
TECH	2290	ENGINEERING ANALYSIS I	4
TECH ELECTIVE			3

MODEL SCHEDULE ....65 SEM. HRS.

FRESHMAN FIRST SEMESTER

DRFT	1100	ENGINEERING GRAPHICS	3
DRFT	2200	FUNDAMENTALS OF CAD	3
ENGL	1104	WRITTEN ENGLISH I	3
MANF	1100	MATERIALS & PROCESSES	3
MATH	1101	APPLIED TECHNICAL MATH I	3
			15

FRESHMAN SECOND SEMESTER

DRFT	2235	TECHNICAL DRAFTING	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MATH	1102	APPLIED TECHNICAL MATH II	3
INFO	1100	COMP. CONCEPTS & APPLICATIONS	3
-OR-			
COMP	1101	APP. TECH. PROGRAM.	3
COMM	2202	INTRO TO COMM IN THE WORLD OF WORK (RECOMMENDED)	3
-OR-			
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
			15

SOPHOMORE FIRST SEMESTER

DRFT	2205	INTRODUCTION TO SOLID MODELING	3
DRFT	2215	ARCHITECTURAL DRAFTING	4
DRFT	2225	DESCRIPTIVE GEOMETRY	3
ECON	2200	ECONOMICS	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
			17

SOPHOMORE SECOND SEMESTER

DRFT	2245	ARCHITECTURAL DESIGN	3
DRFT	2995	TOOL DESIGN	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
TECH	2290	ENGINEERING ANALYSIS I	4
TECH ELECTIVE			3
			18

EARLY CHILDHOOD

Associate of Applied Science

Barbara Pavel Alvarez
142 Education Building / (304) 367-4848
balvarez@pierpont.edu

Program Purpose:

The Early Childhood Associate of Applied Science Degree includes the study of the growth and development of young children as well as the planning, preparation and implementation of appropriate curriculum and environments for early childhood programs. The program provides students with opportunities to gain practical experience working with children at the main campus Laboratory Preschool and in early childhood programs within the community.

NOTE: Students in this program must pass a background check.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Early Childhood, graduates will be able to do the following:

- Plan, prepare and implement appropriate curriculum for a quality early childhood program based on a knowledge of child development and appropriate practices
- Plan classroom learning environments that are developmentally appropriate
- Demonstrate appropriate communication skills, teaching methods and professional conduct while working with young children
- Document that all West Virginia Child Care Licensing regulations for center employees are met
- Demonstrate ability to implement West Virginia Early Learning Standards while working with young children

Opportunities:

Graduates with the Early Childhood Associate of Applied Science Degree are qualified to teach in child care centers, Head Start programs, private nursery schools, private preschools or to serve as a Nanny. Graduates meet state requirements to be the director of a Type I, II or III child care center in the state of West Virginia. Other employment opportunities include positions in public and private organizations providing services for children.

All credit hours taken in this Associate degree program may be applied to the Bachelor degree program in Family & consumer Science Child Development Specialist at Fairmont State University.

Pierpont C&TC also has an articulation agreement that allows graduates with the Early Childhood AAS Degree to apply all credit hours towards a Birth through Four teaching certification degree at West Virginia University.

- Early Childhood..64 SEM. HRS.

EC	1105	DEVELOPMENT OF YOUNG CHILDREN	3
EC	1106	HEALTH AND SAFETY IN EARLY CHILDHOOD PROGRAMS	2
EC	1107	EARLY CHILDHOOD CURRICULUM	3
EC	1130	FOUNDATIONS OF EARLY CHILDHOOD	3
EC	2206	THE CHILD IN THE FAMILY	3
EC	2230	CLASSROOM STRATEGIES	3
EC	2231	ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS	3
EC	2232	EARLY CHILDHOOD PRACTICUM I	3
EC	2240	INFANT AND TODDLER DEVELOPMENT	3
EC	2995	EARLY CHILDHOOD PRACTICUM II	4
EC	2283	COGNITIVE DEVELOPMENT	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
	(PR: "C" OR HIGHER IN ENGL 1104)		
	("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION		
FOSM	1120	NUTRITION IN CHILDHOOD & ADOLESCENCE	3
FOSM	2200	INTRODUCTION TO FOODS	3
HUSV	1103	COMMUNITY SERVICE LEARNING	1
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INTR	2200	RACE, CLASS, AND GENDER IN POPULAR CULTURE	3
LIBS	2209	LIBRARY MATERIALS FOR CHILDREN	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
MATH OR SCIENCE GENERAL STUDIES COURSE			3

MODEL SCHEDULE ....64 SEM. HRS.

FRESHMAN FIRST SEMESTER

EC	1106	HEALTH AND SAFETY IN EC	2
EC	1130	FOUNDATIONS IN EC	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APP.	3
HUSV	1103	COMMUNITY SERVICE LEARNING	1
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
			15

FRESHMAN SECOND SEMESTER

EC	1105	DEV. OF YOUNG CHILDREN*	3
EC	1107	EC CURRICULUM*	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
FOSM	1120	NUTRITION IN CHILDHOOD & ADOLESCENCE	3
INTR	2200	RACE, CLASS AND GENDER IN POPULAR CULTURE	3
EC	2230	CLASSROOM STRATEGIES*	3
			18

SOPHOMORE FIRST SEMESTER

EC	2232	EC PRACTICUM I*	3
EC	2240	INFANT/TODDLER DEVELOPMENT*	3
EC	2283	COGNITIVE DEVELOPMENT*	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
FOSM	2200	INTRODUCTION TO FOODS	3
			15

SOPHOMORE SECOND SEMESTER

EC	2206	THE CHILD IN THE FAMILY*	3
EC	2231	ADMINISTRATION OF EC PROGRAMS*	3
EC	2995	EC PRACTICUM II*	4
LIBS	2209	LIBRARY MATERIALS/CHILDREN	3
GENERAL STUDIES ELECTIVE			3
			16

** Offered only in semester listed*

Notice to all students:

1) It is the responsibility of the student to meet the academic advisor to schedule all courses for the completion of this degree. Failure to seek assistance of an advisor may delay graduation.
2) Permission is required to carry over 18 hours per semester. To be eligible, the student must be graduating or have an overall GPA of 3.0.
3) The semester before planned graduation, the student should schedule a Senior Evaluation through the Registrar's office and must apply for graduation before the deadline as stated in the current college catalog.
4) Students are reminded to review campus policies and procedures as stated in the college catalog.
5) Students must achieve a "C" or better in all EC classes to graduate.

OCCUPATIONAL DEVELOPMENT: EARLY CHILDHOOD PRACTITIONER

Associate of Applied Science

Barbara Pavel Alvarez
142 Education Building / (304) 367-4848
balvarez@pierpont.edu

Program Purpose:

The Occupational Development, Early Childhood Practitioner Associate of Applied Science Degree is designed for apprentices and journeypersons of the U.S. Department of Labor Apprenticeship for Child Development Specialist (ACDS) Program. This degree program builds on the educational component and the on- the-job-training hours completed during the apprenticeship. Upon completion of the required general studies courses, required early childhood courses and payment of the Evaluation Fee, a student may earn 28 college credit hours for the apprenticeship training. Documentation of completion of the Department of Labor Apprenticeship is required. Individuals who have completed a Child Development Associate (CDA) under the auspices of an agency or organization with expertise in early childhood teacher preparation are also eligible to complete the Occupational Development Degree.

Required Early Childhood courses include the study of the growth and development of young children as well as the planning, preparation and implementation of appropriate curriculum and environments for early childhood programs.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Occupational Development, Early Childhood Practitioner, graduates will be able to do the following:

- Plan, prepare and implement appropriate curriculum for a quality early childhood program based on a knowledge of child development and appropriate practices
- Plan classroom learning environments that are developmentally appropriate
- Demonstrate appropriate communication skills, teaching methods and professional conduct while working with young children
- Document that all West Virginia Child Care Licensing regulations for center employees are met
- Demonstrate ability to implement West Virginia Early Learning Standards while working with young children

Opportunities:

Graduates with the Occupational Development, Early Childhood Practitioner, AAS Degree are qualified to teach in child care centers, Head Start programs, private nursery schools, private preschools or to serve as a Nanny. Graduates meet state requirements to be the director of a Type I, II or III child care center in the state of West Virginia. Other employment opportunities include positions in public and private organizations providing services for children.

Pierpont C&TC has an articulation agreement that allows graduates with the Occupational Development, Early Childhood Practitioner AAS Degree to apply 51 of the required 64 credit hours towards a Birth through Four teaching certification degree at West Virginia University. Of the twenty-eight credit hours received for ACDS or CDA completions, 15 hours of credit articulates to WVU.

- Total Degree Requirement ....64 SEM. HRS.
- General Studies Component I.......................21 SEM. HRS.

The following courses are required:

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II (PR: "C" IN ENGL 1104)	3
-OR-			
ENGL	1109	TECH REPORT WRITING (PR: "C" OR HIGHER IN ENGL 1104) ("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
MATH	1107	FUNDAMENTAL CONCEPTS OF MATHEMATICS	3

Select three courses from the following:

COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
INTR	2200	RACE, CLASS AND GENDER IN POPULAR CULTURE	3
INTR	2280	EMPOWERING LEADERSHIP	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY I	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3

- Required technical studies courses................15 SEM. HRS.

The following courses are required:

EC	1107	CURRICULUM FOR EARLY CHILDHOOD PROGRAMS	3
EC	2283	COGNITIVE DEVELOPMENT	3

Select a minimum of 9 hours from the following courses:

EC	2206	THE CHILD IN THE FAMILY	3
EC	2230	CLASSROOM STRATEGIES	3
EC	2231	ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS	3
EC	2240	INFANT AND TODDLER DEVELOPMENT	3
FOSM	1110	NUTRITION	3
-OR-			
FOSM	1120	NUTRITION IN CHILDHOOD & ADOLESCENCE	3
HUSV	1103	COMMUNITY SERVICE LEARNING	1
LIBS	2209	LIBRARY MATERIALS FOR CHILDREN	3

- Technical Core Component II.........................18 SEM. HRS.

Component II consists of courses developed and delivered by the Apprenticeship for Child Development Specialist (ACDS) Program offered through, and approved by, the United States Department of Labor, or approved courses included in the Child Development Associate (CDA) education and training program under the auspices of an agency or organization with expertise in early childhood teacher preparation. The courses will be converted to college credit hours at the usual ratio of 15:1 for lecture and at the laboratory hours/credit ratio of Pierpont Community & Technical College to a maximum of 18 credit hours. This credit will be recorded immediately prior to graduation from the college following the completion of all degree requirements, a positive completed evaluation by Pierpont Community & Technical College and the payment of the Evaluation Fee.

- Occupational On-the-Job Training
  Hours Component III ....10 SEM. HRS.

-or-

- Supervised Work Based Learning

This component consists of paid or unpaid on-the-job training provided as a component of the Apprenticeship for Child Development Specialist (ACDS) Program or Child Development Associate (CDA) Program. The on-the-job training component is to be converted to credit hours at a ratio of 160:1 to a maximum of 10 credit hours. This credit will be recorded immediately prior to graduation following the completion of all degree requirements, a positive completed evaluation by Pierpont Community & Technical College and the payment of the Evaluation Fee.

Documentation of Completion: for Component II and Component III is made to the Early Childhood Program Coordinator by submitting a copy of the U.S. Department of Labor Apprenticeship for Child Development Specialist Certificate and a letter of completion from the U.S. Department of Labor or a copy of the Child Development Associate Certificate and a letter of completion from the organization or agency providing the training.

Residency Requirement: 15 credits of the students last course work in Components I and II must be completed at Pierpont Community & Technical College.

Evaluation Fee: An Evaluation Fee of one hundred-fifty dollars ($150.00) is required following the completion of all courses. The evaluation includes determination that all academic course work has been successfully completed and verification of Components II and III. When the evaluation is completed and all requirements have been met, then credits for Components II and III will be granted. The evaluation fee is paid at the time application for graduation is made.

WVU Articulation Credit: Graduates participating in the articulation agreement with the West Virginia University, Birth to Pre-K Teaching Certification Program may receive up to 15 hours of articulation credit for Components III and IV: EC 1105, 3 hours, EC 1106, 2 hours, EC 1130, 3 hours, EC 2232, 3 hours and EC 2995, 4 hours.

EARLY CHILDHOOD TEACHER'S AIDE

6 Credit-Hour Skill Set

Barbara Pavel Alvarez
142 Education Building / (304) 367-4848
balvarez@pierpont.edu

Program Purpose:

The Early Childhood Teacher's Aide Skill Set Certificate is designed for individuals currently employed as a Teacher's Aide II in a public school setting. Completion of this skill set allows promotion to Teacher's Aide III.

The six credit hour skill set includes EC 1106, Heath and Safety In Early Childhood (2 credit hours) EC 1107, Early Childhood Curriculum (3 credit hours) and one additional credit hour with advisor approval required.

The Skill Set provides course work to strengthen the teacher's aide's effectiveness in the classroom.

NOTE: Students in this program must pass a background check.

Student Learning Outcomes:

Upon successful completion of the Early Childhood Teacher's Aide Skill Set Certificate, graduates will be able to do the following:

- Analyze health and safety practices in the early childhood environment
- Identify and implement appropriate sanitation practices in the early childhood classroom
- Document that all West Virginia Child Care Licensing regulations for center employees are met
- Recognize appropriate curriculum for a quality early childhood program

Opportunities:

The Early Childhood Teacher's Aide Certificate will satisfy the West Virginia Department of Education's qualifications for a Teacher's Aide III position and allow current Teacher's Aides a pathway for advancement with courses that can also be applied towards 18 credit-hour Skill Set and or the Early Childhood AAS Degree.

Required Courses:

- Early Childhood Teaching Aide ....6 SEM. HRS.

EC	1106	HEALTH AND SAFETY IN EARLY CHILDHOOD	2
EC	1107	EARLY CHILDHOOD CURRICULUM	3
ELECTIVE (ADVISOR APPROVAL REQUIRED)			1

Substitution may be made for an EC course upon approval by Program Coordinator.

EARLY CHILDHOOD TEACHING ASSISTANT

18 Credit-Hour Skill Set

Barbara Pavel Alvarez
142 Education Building / (304) 367-4848
balvarez@pierpont.edu

Program Purpose:

The Early Childhood Teaching Assistant Skill Set Certificate is designed for individuals currently employed as a Teacher's Aide III in a public school setting. Completion of this Skill Set allows promotion to Teacher's Aide IV.

This 18 credit hour Skill Set builds on the six credit hours required for the Teacher's Aide Skill Set and provides course work to strengthen the teaching assistant's effectiveness in the classroom.

NOTE: Students in this program must pass a background check.

Student Learning Outcomes:

Upon successful completion of the Early Childhood Teacher's Aide Skill Set Certificate, graduates will be able to do the following:

- Analyze health and safety practices in the early childhood environment
- Identify and implement appropriate sanitation practices in the early childhood classroom
- Document that all West Virginia Child Care Licensing regulations for center employees are met Recognize appropriate curriculum for a quality early childhood program
- Apply cognitive development theory in work with young children
- Apply classroom guidance techniques in work with for young children

Opportunities:

The Early Childhood Teaching Assistant Certificate will satisfy the West Virginia Department of Education's qualifications for teacher's Aide IV and allows current teacher's aides a pathway for advancement with courses that can also be applied towards the Early Childhood AAS Degree.

Required Courses:

- Early Childhood Teaching Assistant................18 SEM. HRS.

EC	1106	HEALTH AND SAFETY IN EARLY CHILDHOOD	2
EC	1107	EARLY CHILDHOOD CURRICULUM	3
EC	2230	CLASSROOM STRATEGIES	3
EC	2283	COGNITIVE DEVELOPMENT	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
ENGL	1104	WRITTEN ENGLISH I	3
ELECTIVE (ADVISOR APPROVAL REQUIRED)			1

Substitution may be made for an EC course upon approval by Program Coordinator.

ELECTRONICS ENGINEERING TECHNOLOGY

(Associate of Science)

(See Fairmont State University, Department of Technology)

EMERGENCY MEDICAL SERVICES

Associate of Applied Science

Tracey Corbin
214 Merchant Street / (304) 367-4501
tcorbin@pierpont.edu

Program Purpose

The A.A.S Emergency Medical Services Degree's primary goal is to produce entry-level basic, intermediate, and advanced Emergency Medical Technicians who are competent to work in career and volunteer positions within West Virginia's health care system. The program is designed to produce graduates who possess the knowledge, skills and confidence to provide high quality emergency care to the sick and injured in their respective communities.

Student Learning Outcomes:

Upon successful completion of the A.A.S. in EMS, graduates will be able to do the following:

- Perform assessments and provide medical care in conjunction with medical direction to prevent and reduce mortality and morbidity due to illness and injury
- Maintain high quality, reasonable cost health care by delivering patients directly to appropriate facilities
- Be advocates for patients
- Understand the roles and responsibilities of a Paramedic within an EMS system
- Apply the basic concepts of development, pathophysiology and pharmacology to assessment and management of emergency patients
- Properly administer medications
- Communicate effectively with patients

Opportunities:

Emergency Medical Services play a key role in the health care delivery system in the United States by providing the appropriate basic intermediate, and advanced life support to the sick and injured in the pre-hospital setting.

The primary responsibility of the Emergency Medical Technician is to provide expert emergency medical care to victims of emergencies and to transport them safely to the appropriate facility.

The individual who successfully completes the Associate of Applied Science in Emergency Medical Services Program will posses these attributes and will be eligible for employment with public and private EMS providers, hospitals, and aero medical services.

Program Admissions:

All Applicants seeking admission to the Associate of Applied Science in Emergency Medical Services Program are required to:

1) Meet general admission requirements of Pierpont Community & Technical College.
2) Submit an application for admission designating Associate degree Emergency Medical Services as a major field of study.
3) Submit a resume or Statement of Activities to the Office of Admissions if the candidate is not a recent high school graduate.
4) Submit official high school transcript or verified GED score; ACT or SAT scores if applicable.
5) Students admitted to the program must complete a physical examination, required immunizations and tests prior to participation in any EMS Practicum course.

After complying with the above steps, the student must submit the following to the EMS Coordinator:

- A photocopy of the following certifications if held by the applicant: EMT-Basic or EMT-Paramedic and American Heart Association Provider and /or American Red Cross Professional Rescuer CPR certification.

NOTE:

If a student holds a current paramedic certification, the student may be eligible to earn the Associate of Applied Science in Emergency Medical Services Degree after fulfilling the general education components of the program. The equivalent evaluation is done on an individual basis taking into consideration all EMS training and related courses to the field of study.

Qualified students will be ranked according to an impartial scoring system. ACT or SAT scores; high school or college grade point average or GED score; active member of an approved West Virginia EMS agency; and college courses completed that apply to the Associate of Applied Science in EMS degree (if applicable) are considered in the evaluation process. Students who are not admitted must reapply if they wish to be considered for the next academic year.

Students must be able to travel to various clinical affiliate sites located throughout North Central West Virginia during the EMS Practicum courses. Additional mini-courses have been incorporated into the EMS courses as needed to better prepare the student for employment after graduation. Participation in these courses is mandatory. Certification fees are required for State or National certification by the agencies governing these courses.

Program Requirements:

To remain in the EMS program and to be eligible to take the National Registry of EMT's Paramedic examination, a minimum cumulative 2.0 grade point average is required at the end of the program and a favorable recommendation from the program faculty and medical director is required. Failure to meet any of these requirements may result in dismissal from the program. Readmission is on the basis of reapplication and reacceptance.

According to West Virginia Division of Health Legislative Rules 64 CSR 48-9 and 48-10, anyone wishing to receive certification from the West Virginia Office of Emergency Medical Services must meet and maintain the qualifications contained in this legislation. Certification will be denied or revoked to anyone not being able to meet these requirements. Contact the West Virginia Office of Emergency Medical Services at (304) 558-3956 or http://www.wvoems.org to obtain a copy of these requirements.

Required Courses

- Emergency Medical Services ....68 SEM. HRS.

EMMS 1100 INTRODUCTION TO EMS 2
EMMS 1103 EMERGENCY MEDICAL TECHNICIAN BASIC 7
EMMS 1104 EMS-OPERATIONS 2
EMMS 1106 EMERGENCY MEDICAL SERVICES PRACTICUM I 1
EMMS 1107 BASIC TRAUMA LIFE SUPPORT PROVIDER 1
EMMS 1108 EMS PHARMACOLOGY 3
EMMS 1110 INTRODUCTION TO ALS SKILLS 2
EMMS 2200 ADVANCED CARDIAC LIFE SUPPORT 1
EMMS 2201 PEDIATRIC ED FOR THE PRE-HOSPITAL PROVIDER....1
EMMS 2202 ADVANCED MEDICAL LIFE SUPPORT 1
EMMS 2203 ALS SKILLS LAB 2
EMMS 2207 AIRWAY MANAGEMENT/PATIENT ASSESSMENT 2
EMMS 2208 PATHOPHYSIOLOGY AND SHOCK TRAUMA RESUSCITATION 3
EMMS 2209 EMERGENCY MEDICAL SERVICES PRACTICUM II 2
EMMS 2210 MEDICAL EMERGENCIES I 4
EMMS 2211 EMERGENCY MEDICAL SERVICES PRACTICUM III 2
EMMS 2212 MEDICAL EMERGENCIES II 4
EMMS 2213 SPECIAL SITUATIONS 2
EMMS 2214 EMERGENCY MEDICAL SERVICES PRACTICUM IV 2
EMMS 2995 ASSESSMENT BASED MANAGEMENT 2
ENGL 1104 WRITTEN ENGLISH I 3
ENGL 1108 WRITTEN ENGLISH II 3
-OR-
ENGL 1109 TECHNICAL REPORT WRITING 3
HLCA 1100 MEDICAL TERMINOLOGY 3
MATH 1107 FUNDAMENTAL CONCEPTS OF MATH 3
HLCA 1170 HUMAN ANATOMY AND PHYSIOLOGY 3
HLCA 1171 HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1
INFO 1100 COMPUTER CONCEPTS & APPLICATIONS 3
-OR-
SOCY 1110 INTRODUCTION TO SOCIOLOGY 3
EMMS ELECTIVE(SATISFIES ONE HOUR OF GENERAL STUDIES*) 3
EMMS 1113* PEDIATRIC FIRST AID 1
EMMS 1114* FIRST AID AND CPR 1
EMMS 1115* PRINCIPLES OF EXTRICATION 1
EMMS 1117* EMERGENCY VEHICLE DRIVING 1

MODEL SCHEDULE ....68 SEM. HRS.

FALL SEMESTER
EMMS 1103 EMERGENCY MEDICAL TECHNICIAN BASIC 7
ENGL 1104 WRITTEN ENGLISH I 3
HLCA 1100 MEDICAL TERMINOLOGY 3
HLCA 1170 HUMAN ANATOMY AND PHYSIOLOGY 3
HLCA 1171 HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1
17

SPRING SEMESTER
EMMS 1106 EMERGENCY MEDICAL SERVICES PRACTICUM I 1
EMMS 1107 BASIC TRAUMA LIFE SUPPORT 1
EMMS 1108 EMS PHARMACOLOGY 3
EMMS 1110 INTRODUCTION TO ALS SKILLS 2
EMMS 2202 ADVANCED MEDICAL LIFE SUPPORT 1
EMMS 2207 AIRWAY MANAGEMENT/PATIENT ASSESSMENT 2
EMMS 2208 PATHOPHYSIOLOGY AND SHOCK TRAUMA RESUSCITATION 3
EMMS 2210 MEDICAL EMERGENCIES I 2
17

SUMMER
EMMS 1100 INTRODUCTION TO EMS 2
EMMS 1104 EMS-OPERATIONS 2
EMMS 2209 EMERGENCY MEDICAL SERVICES PRACTICUM II 2
EMMS 2211 EMERGENCY MEDICAL SERVICES PRACTICUM III 2
8

FALL SEMESTER
EMMS 2200 ADVANCED CARDIAC LIFE SUPPORT 1
EMMS 2201 PEDIATRIC ED FOR THE PRE-HOSPITAL PROVIDER....1
EMMS 2203 ALS SKILLS LAB 2
EMMS 2212 MEDICAL EMERGENCIES II 4
EMMS 2213 SPECIAL SITUATIONS 2
EMMS 2214 EMERGENCY MEDICAL SERVICES PRACTICUM IV 2
EMMS 2995 ASSESSMENT BASED MANAGEMENT 2
14

SPRING SEMESTER
ENGL 1109 TECHNICAL REPORT WRITING 3
INFO 1100 COMPUTER CONCEPTS & APPLICATIONS 3
-OR-
SOCY 1110 INTRODUCTION TO SOCIOLOGY 3
MATH 1107 FUNDAMENTAL CONCEPTS OF MATH 3
EMMS ELECTIVE* 3
12

**Any EMMS 1113-1117 courses may be used as an elective general studies course.*

OCCUPATIONAL DEVELOPMENT: EMS SPECIALIST

Associate of Applied Science

Tracey Corbin
214 Merchant Street / (304)367-4501
tcorbin@pierpont.edu

MODEL SCHEDULE ....72 SEM. HRS.

This program includes the following components:

Component I (General Studies)
ENGL 1104 WRITTEN ENGLISH I 3
ENGL 1109 TECHNICAL REPORT WRITING ("C" OR BETTER REQUIRED) 3
-OR-
ENGL 1108 WRITTEN ENGLISH II 3
MATH 1107 FUNDAMENTAL CONCEPTS 3
PSYC 1101 INTRODUCTION TO PSYCHOLOGY I 3
SOCY 1110 INTRODUCTORY SOCIOLOGY 3
COMP 1100 CONCEPTS OF COMPUTING 3
-OR-
INFO 1100 COMPUTER CONCEPTS AND APPLICATIONS 3
GENERAL EDUCATION ELECTIVE 3
21

Component II (Technical Core)

EMMS	2202	TECH I PARAMEDIC	8
EMMS	2203	PRACTICUM I	2
EMMS	2204	TECH II PARAMEDIC	8
EMMS	2205	PRACTICUM II	2
			20

Component III (Technical Training Experience)....................18

The component consists of technical courses, workshops, developed and delivered by the College and State EMS agency or approved by Department of Labor as apprenticeship training. Courses are converted to college credit hours at the usual ratio of 15:1 for lecture and at a rate consistent with the lab/credit ratio of the degree granting institution.

Component IV (On-The-Job Training) 13

On-the-job training in the occupation or supervised work based learning consists of on-the-job training, internship, or practicum performed at a business or industry setting in the occupational area. The on-the-job training component is to be converted to credit ratio of 160:1 with the maximum of 2,080 contact hours allowable. A statement of the total number of contact hours experienced through on-the-job training may be placed on the college record. This credit will be recorded immediately prior to graduation from the College.

EMERGENCY MEDICAL SERVICES TECHNICIAN-PARAMEDIC, EMT-P

One Year Certificate

** Offered only by request from approved WV EMS agencies with sufficient enrollment. (Minimum enrollment 12)*

Tracey Corbin
214 Merchant Street / (304)367-4501
tcorbin@pierpont.edu

MODEL SCHEDULE ....36 SEM. HRS.

SUMMER TERM (JUNE) 5 WEEKS

EMMS	1100	INTRODUCTION TO EMS	2
EMMS	1104	EMS-OPERATIONS	2
EMMS	1106	EMS-PRACTICUM I (44 HOURS)	1
			5

FRESHMAN FIRST SEMESTER

EMMS	1108	EMS PHARMACOLOGY	3
EMMS	2207	AIRWAY MANAGEMENT / PATIENT ASSESSMENT	2
EMMS	2208	SHOCK TRAUMA RESUSCITATION	3
EMMS	2209	EMS PRACTICUM II (116 HOURS)	2
EMMS	1110	INTRO TO ALS SKILLS LAB	2
EMMS	1107	BASIC TRAUMA LIFE SUPPORT PROVIDER	1
			13

FRESHMAN SECOND SEMESTER

EMMS	2210	MEDICAL EMERGENCIES I	4
EMMS	2211	EMS PRACTICUM III (120 HOURS)	2
EMMS	2212	MEDICAL EMERGENCIES II	4
EMMS	2200	ADVANCED CARDIAC LIFE SUPPORT	1
EMMS	2201	PEDIATRIC ED FOR PREHOSPITAL SUPPORT PROVIDER	1
			12

SUMMER TERM (MAY) 5 WEEKS

EMMS	2213	SPECIAL SITUATIONS	2
EMMS	2214*	EMS PRACTICUM IV (112 HOURS)	2
EMMS	2995	ASSESSMENT BASED MANAGEMENT	2
			6

** EMMS 2214 - EMS Practicum IV will be over both summer terms (May thru July) 10 weeks*

NREMT-P EXAM (July)

- Total Program Hours.....................................36 SEM. HRS.

Admission Procedures

1) Meet the general admission requirements of Pierpont Community & Technical College.
2) Submit a resume to the Office of Admissions if the candidate is not a recent high school graduate.
3) Submit official high school transcript or verified GED score, ACT or SAT scores if applicable.
4) Students admitted to the program must complete a physical examination and required immunizations prior to participation in any EMS Practicum course.

Prerequisites

1) Current Healthcare Provider CPR Card
2) Current EMT-Basic Card (NREMT and/or WVOEMS) - (EMMS 1103 EMT-Basic 7 hours)
3) Anatomy & Physiology Course - (HLCA 1170 HUMAN ANATOMY & PHYSIOLOGY 3 hours and HLCA 1171 HUMAN ANATOMY & PHYSIOLOGY LAB 1 hour)
4) Remedial Math, Reading and or English Courses

EVENTS MANAGEMENT

One Year Certificate

Pamela Hamilton
139 Education Building / (304) 367-4297
phamilton@pierpont.edu

Program Purpose:

This certificate program (under the direction of the Food Service Management program) includes a practicum experience that may be in the hospitality industry, at hotels, resorts, or conference centers.

The Events Management certificate is designed to be its own program of study, or it can be earned alongside other programs. All required courses are available on-line, in the evenings, through Weekend College, and or are available at off-campus sites. In addition, all of the specific Events classes are on-line.

Student Learning Outcomes:

Upon successful completion of the Events Management Skill Set, graduates will be able to do the following:

- Apply practical and creative aspects of coordinating major events, including conventions, political rallies, expos, corporate training and seminars, as well as large private receptions and parties
- Develop working relationships with a variety of customers which can be private or community based, business, corporate, or government entities
- Determine and set structure, purpose, goals and objectives of an event
- Identify the elements of an event; develop logical sequencing and efficient schedules, coordinating the environment, safe operations, staging the entertainment experience, and accommodating the audience

- Plan and execute business to business events requiring sound business practices including establishing a customer profile, strong financial planning and management, vendor relations, management of multiple contracts, and accurate attention to details
- Practice protocol and process in choosing entertainment, décor, travel arrangements, catering, registration and other staging consideration, as well as build relationships with vendors and volunteers

Opportunities:

Graduates of the program will be experienced in planning various types of events in many venues, such as charity events, conferences, meetings, weddings, parties, parades, fairs, tours, fund raisers, tournaments, festivals, product & service promotions, sporting events, concerts, media campaigns, exhibitions, trade shows, dinners, holiday/birthday/ engagement celebrations, and casino functions. Recent practicum experiences for students have included internships with regional county visitor bureaus.

Required Courses:

BUSN	1140	BUSINESS MATH*	3
BUSN	2210	HUMAN RESOURCES IN BUSINESS	3
ENGL	1104	WRITTEN ENGLISH* I	3
EVMG	1101	EVENTS COORDINATION	3
EVMG	1103	WEDDING PLANNING (REQUIRED)	3
EVMG	1995	EVENT MANAGEMENT PRACTICUM	3
EVMG	2250	CORPORATE EVENTS PLANNING (NEW)	3
FOSM	1119	INTRO TO FOOD SERVICE & HOSPITALITY INDUSTRY	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INTR	2200	RACE, CLASS, AND GENDER IN POPULAR CULTURE*	3

Required Elective: See list below (select one)

BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
FOSM	2225	RESORT & HOTEL MANAGEMENT	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3

** Check pre-requisite*

MODEL SCHEDULE ....33 SEM. HRS.

FALL SEMESTER 1

ENGL	1104*	WRITTEN ENGLISH I	3
EVMG	1101	EVENTS COORDINATION	3
FOSM	1119	INTRO TO FOOD SERVICES & HOSPITALITY INDUSTRY	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ELECTIVE			3
			15

SPRING SEMESTER 2

BUSN	1141*	BUSINESS MATHEMATICS	3
BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
EVMG	1103	WEDDING PLANNING	3
EVMG	2250	CORPORATE EVENTS PLANNING	3
INTR	2200*	RACE, CLASS, AND GENDER IN POPULAR CULTURE	3
			15

SUMMER SEMESTER 1

EVMG	1995	EVENT MANAGEMENT PRACTICUM	3

** Check pre-requisite*

FOLKLIFE STUDIES

Museum Studies - Skill Set
Folk Art and Crafts Apprenticeship - One Year Certificate
Museum Studies Concentration (See Liberal Studies Associate of Arts)

Noel W. Tenney
Cultural Specialist & Program Coordinator
113 Education Building / (304) 367-4403
Noel.Tenney@pierpont.edu

Beth A. Newcome, Dean School of Human Services
137 Education Building / (304) 367-4919
Beth.Newcome@pierpont.edu

Program Purpose:

The Folklife Studies program at Pierpont Community and Technical College is a collaboration with the Frank and Jane Gabor West Virginia Folklife Center and the Folklore Studies minor through Fairmont State University. This Folklife program includes the study of Appalachian folk arts, West Virginia culture and history, and the many folklore and folklife traditions of the region.

The West Virginia Folklife Center at Fairmont State has become a centering force within the region as both an educational and cultural resource. The Folklife Center works extensively with state and regional government agencies and private entities (WV Departments of Education, Culture and History, and Travel and Tourism; WV Humanities Council; WV Association of Museums; Prickett's Fort Memorial Foundation; Vandalia Heritage Foundation; Tamarack; Mountain Made; and many other festivals, organizations, and museums) through shared programming, educational experiences, and the promotion of cultural ideas.

The Folklife Studies program offers a Skill Set in Museum Studies; a One Year Certificate in Folk Art and Crafts Apprenticeship; and a Museum Studies Concentration of the Associate of Arts, Liberal Studies degree. (Please refer to Associate of Arts, Liberal Studies.)

Many students complete the Skill Set while completing another degree; other students take courses through the entire sequence.

Student Learning Outcomes:

Upon successful completion of the Museum Studies program, graduates will be able to do the following:

- Demonstrate a working knowledge of the operations of differing types of museums: small and large, public and private
- Perform collections management and archival preservation processes
- Design, Construct, and install various exhibits and displays
- Demonstrate a working knowledge of museum administrative operations, including funding processes, volunteer/staff management, curatorial and collections management, and publications
- Create various museum educational activities, programs, and materials
- Perform first-person role play and third-person presentation, discussions, reenactments, lectures, and skills demonstrations

Upon successful completion of the Folk Art and Crafts Apprenticeship program, graduates will be able to do the following:

- Identify major foundation concepts of traditional folk arts and its application to folk and cultural studies in general
- Identify folk art content in regard to historic and contemporary structure, style, period, media, and procedure
- Demonstrate a working knowledge of specific techniques, media, and procedures of selected folk art forms through work with area artisans
- Begin and complete various folk art making projects using applicable techniques, materials, tools, and resources to produce products in a traditional or contemporary manner
- Explain how folk arts and crafts can be developed into a vocation through marketing, business management, and entrepreneurship

Opportunities:

Some graduates of the Museum Studies Skill Set go on to work in a museum setting as an interpreter, collections manager, education programming director, or exhibit developer for both small and large, private and public museums, and historical societies and organizations. Other graduates of this Skill Set choose to use the credit hours completed towards elective credit hours in another degree program.

The One Year Certificate in Folk Arts and Crafts Apprenticeship is designed to help graduates to create, promote, and or market craft products for sale. The apprenticeship program offers students a unique opportunity to work under a master craft artisan to study traditional, and often, vanishing arts and crafts.

Current regional trends indicate that heritage tourism, regional travel, craft marketing, historic preservation, and the general promotion of the region's natural resources (whitewater rafting, skiing, hiking, etc.) are the fastest growing segments of our region's economic base. Regional state and national parks, forests, recreational areas, resorts, museums, historical sites, conference centers, and other sites are all seeking qualified individuals for the various positions that arise from such trends.

Museum Studies
Skill Set Certificate ....21 SEM. HRS.

FOLK	1100	INTRO TO MUSEUM STUDIES	3
FOLK	1150	FOLK ARTS	3
FOLK	2210	MUSEUM EDUCATION PROGRAMMING	3
FOLK	2220	MUSEUM COLLECTIONS MANAGEMENT	3
FOLK	2230	MUSEUM EXHIBIT DESIGN & PREPARATION	3
FOLK	2240	MUSEUM INTERPRETATION	3
FOLK	2995	MUSEUM INTERNSHIP	3

Folk Arts & Crafts Apprenticeship
1 yr Certificate ....31 SEM. HRS.

ACCT	1100	ACCOUNTING FUNDAMENTALS	3
BUSN	2250	SMALL BUSINESS MANAGEMENT	3
ENGL	1104	WRITTEN ENGLISH I	3
FOLK	1110	CRAFT DESIGN & MARKETING	3
FOLK	1150	FOLK ARTS	3
FOLK	2200	INTRO TO FOLKLORE	4
FOLK	2295	CRAFTS APPRENTICESHIP	9
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3

MODEL SCHEDULE ....31 SEM. HRS.

FRESHMAN FIRST SEMESTER

ACCT	1100	ACCOUNTING FUNDAMENTALS	3
FOLK	1150	INTRODUCTION TO FOLK ARTS	3
FOLK	1110	CRAFT DESIGN AND MARKETING	3
FOLK	2295	CRAFTS APPRENTICESHIP	3
INFO	1100	COMPUTER CONCEPTS/APPLICATIONS	3
			15

FRESHMAN SECOND SEMESTER

BUSN	2250	SMALL BUSINESS MANAGEMENT	3
ENGL	1104	WRITTEN ENGLISH I	3
FOLK	2200	INTRODUCTION TO FOLKLORE	4
FOLK	2295	CRAFTS APPRENTICESHIP	3
			13

SUMMER SEMESTER

FOLK	2295	CRAFTS APPRENTICESHIP	3
			3

FOOD SERVICE MANAGEMENT
Associate of Applied Science

Pamela Hamilton, RD, LD
Associate Professor and Program Coordinator
139 Education Building / (304)367-4297
phamilton@pierpont.edu

Brian Floyd, Certified Executive Chef, Assistant Professor and Program Coordinator
140 Education Building / (304) 367-4409
bfloyd@pierpont.edu

Program Purpose:

The Food Service Management degree program offers four options for students to choose from: Dietary Manager; Resort & Hotel Management (Professor Hamilton); and Culinary Arts; Pastry & Baking Arts (Chef Brian Floyd.)

The Food Service Management major and its options were designed to fill a need in the industry. Currently, employment in the Food Service Management field is expected to keep pace with all occupational hiring through 2010. Employment in Food service is typically not very sensitive to economic conditions, and rates of employment are expected to remain consistent, according to the US Dept. of Labor. In fact, according to the National Restaurant Association, the restaurant industry employs an estimated 13 million people, or 9% of the U.S. workforce and is expected to add almost two million jobs over the next decade.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Food Service Management, graduates will be able to do the following:

- Demonstrate a professional work ethic as is expected for employment in the Food Service Management Field
- Apply nutritional standards as expected in Food Service Management Fields
- Apply knowledge of basic food principles, including food purchasing, planning, and preparation
- Manage human and physical resources in ways that comply with food service industry standards
- Satisfy outcomes for individual program option*

**See faculty advisors for specific expectations of individual program*

Opportunities in Dietary Management:

Graduates of the Dietary Management option will be qualified for jobs that require them to perform menu planning, food purchasing, food production and service, financial management, employee recruitment, training and supervision and (in some settings) nutritional assessment and clinical care duties. This work is challenging and involves caring for people and working with people, and is noted as being a fulfilling and a"good long-term career choice." (Source: DMA member survey, 1999.) Working conditions may include varied hours, long days and the requirement to juggle multiple demands, including working with both people and paperwork.

Typical job settings include hospitals, long-term care facilities, correctional facilities; and school systems. Specific job titles include Certified Dietary Manager (CDM); Dietary Assistant; Nutrition Assistant; and Food Service Manager (Healthcare). Furthermore, as institutions must comply with increasing government regulations, the need for qualified Dietary Managers is projected to increase (Source: East Texas Area Health Education Center).

Required Courses

- Dietary Manger ....64 SEM. HRS.

INFO	1100	COMP CONCEPTS & APPLICATIONS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
		(PR: "C" OR HIGHER IN ENGL 1104)	
		("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	
FOSM	1110	NUTRITION	3
FOSM	1121	FOOD SERVICE FAC & EQUIP*	3
FOSM	1122	SANITATION AND SAFETY*	2
FOSM	1140	FOOD SERVICE COST ANALY&MAN*	3
FOSM	2201	PRINCIPLES OF FOOD SELECTION AND PREP*	3
FOSM	2202	PRINCIPLES OF QUANTITY FOODS*	3
FOSM	2203	PRINCIPLES OF FOOD SELECTION & PREP LABORATORY*	1
FOSM	2204	PRINCIPLES OF QUANTITY FOOD LABORATORY*	1
FOSM	2220	DIET THERAPY	3
FOSM	2224	PURCHASING & RECEIVING*	3
FOSM	2228	FOOD SERVICE ORG/MGMT*	3
FOSM	2995	FOOD SERVICE PRACTICUM (HEALTH CARE FACILITY)	12
FOSM	2250	APPL IN COMMUNITY & MED NUTRITION*	3
FOSM	2260	SEMINAR IN DIETARY MANAGEMENT*	2
HLCA	1100	MEDICAL TERMINOLOGY	3
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LABORATORY	1
SOCY	1110	INTRO TO SOCIOLOGY	3

MODEL SCHEDULE ....64 SEM. HRS.

FRESHMAN FIRST SEMESTER

FOSM	1110	NUTRITION	3
FOSM	1121	FOOD SERVICE FAC & EQUIP	3
FOSM	1122	SANITATION AND SAFETY	2
FOSM	2201	PRINCIPLES OF FOOD SELECTION AND PREP	3
FOSM	2203	PRINCIPLES OF FOOD LABORATORY	1
ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENG 097)	3
SOCY	1110	INTRO SOCIOLOGY	3
			18

FRESHMAN SECOND SEMESTER

FOSM	1140	FOOD SERVICE COST ANALY & MAN	3
FOSM	2202	PRINCIPLES OF QUANTITY FOODS	3
FOSM	2204	PRINCIPLES OF QUANTITY FOOD LABORATORY	1
FOSM	2220	DIET THERAPY	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
HLCA	1100	MEDICAL TERMINOLOGY	3
			16

SOPHOMORE FIRST SEMESTER

FOSM	2224	PURCHASING & RECEIVING	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
FOSM	2250	APPL IN COMMUNITY & MED NUTRITION	3
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LABORATORY	1
INFO	1100	COMP CONCEPTS & APPLICATIONS	3
			16

SOPHOMORE SECOND SEMESTER

FOSM	2995	FOOD SERVICE PRACTICUM (HEALTH CARE FACILITY)	12
FOSM	2260	SEMINAR IN DIETARY MANAGEMENT	2
			14

Opportunities in Culinary Arts:

Students who graduate from this nationally recognized Culinary Arts specialization (accredited through the American Culinary Federation Accrediting Commission) will have an outstanding foundation of theoretical and practical cooking experience on which to pursue a career in the food service industry. Graduates of the Culinary Arts specialization will be eligible to sit for the exam to offered by the American Culinary Foundation to become Certified Culinarians.

Graduates can expect to qualify for entry to mid-level food service positions in restaurants, country clubs, resorts, hotels, retirement homes, cruise ships, catering operations, or supermarkets. Typical job titles include line cook; lead line cook; kitchen supervisor; broiler cook; fry cook; sautŽ cook; and pantry cook.

Students may choose to articulate into the Bachelor of Science Hospitality Management Degree. See Business Administration catalog description for more information.

Selective Enrollment:

Admission to the Culinary Arts program is competitive. Applications should be received by April 1 of each year for admission into the fall program. Applicants to the program must have a minimum GPA of 2.0, a score of 18 or higher on the English section of the ACT (or SAT equivalent) or successful completion of ENGL 0097 or ENGL 1104, and a score of 18 or better on the Math section of the ACT (or SAT equivalent) or successful completion of MATH 0095. Experience in the food service industry or certification from a ProStart program is highly desirable.

To continue in the Culinary Arts program, the student must meet the following standards:

a.) Pass all courses required for the A.A.S. degree.
b.) Maintain a minimum overall grade point average (GPA) of 2.0 and no less than a "C" grade in all Culinary Arts courses.

Readmission to the program will be determined on an individual basis. This will be decided by the Admissions Committee on the basis of qualifications of the student and upon a space available. Students in good standing who withdraw from the program for unpredictable or uncontrollable reasons will be given priority consideration if they reapply.

Required Courses

- Culinary Arts Specialization ....64 SEM. HRS.

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
		(PR: "C" OR HIGHER IN ENGL 1104)	
		("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	
FOSM	1100	SERVSAFE®	1
FOSM	1110	NUTRITION	3
FOSM	1119	INTRO TO FOOD SERVICE INDUSTRY	3
FOSM	1121	FOOD SERVICE FAC. & EQUIPMENT	3
FOSM	1130	BASIC BAKING	3
FOSM	1140	FOOD SERVICE COST ANALY & MAN	3
FOSM	2201	PRINCIPLES OF FOOD SEL & PREP	3
FOSM	2202	PRINCIPLES OF FOOD SEL & PREP LAB	1
FOSM	2203	PRINCIPLES OF QUANTITY FOODS	3
FOSM	2204	PRINCIPLES OF QUANTITY FOODS LAB	1
FOSM	2209	GARDE MANGER	3
FOSM	2224	PURCHASING & RECEIVING	3
FOSM	2227	FOOD & BEV MERCHANDISING	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
FOSM	2995	FOOD SERVICE PRACTICUM	10
INFO	1110	COMP CONCEPTS & APPLICATIONS	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
GENERAL EDUCATION ELECTIVE			3

MODEL SCHEDULE ....64 SEM. HRS.

FRESHMAN FIRST SEMESTER

FOSM	1100	SERVSAFE®	1
FOSM	1119	INTRO FOOD SERVICE INDUSTRY	3
FOSM	1121	FOOD SERVICE FAC & EQUIP	3
FOSM	2201	PRINCIPLES OF FOOD SELECTION AND PREP	3
FOSM	2203	PRINCIPLES OF FOOD LABORATORY	1
ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENG 097)	3
			14

FRESHMAN SECOND SEMESTER

FOSM	1110	NUTRITION	3
FOSM	1140	FOOD SERVICE COST ANALY & MAN	3
FOSM	2202	PRINCIPLES OF QUANTITY FOODS	3
FOSM	2204	PRIN OF QUAN FOOD LABORATORY	1
FOSM	2209	GARDE MANGER	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
			16

SUMMER

FOSM	2995	FOOD SERVICE PRACTICUM	6
			6

SOPHOMORE FIRST SEMESTER

FOSM	1130	BASIC BAKING	3
FOSM	2224	PURCHASING & RECEIVING	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
FOSM	2995	FOOD SERVICE PRACTICUM	2
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
			14

SOPHOMORE SECOND SEMESTER

FOSM	2227	FOOD & BEV MERCHANDISING	3
FOSM	2995	FOOD SERVICE PRACTICUM	2
INFO	1100	COMP CONCEPTS & APPLICATIONS	3
MKTG	2204	PRINCIPLES OF MARKETING	3
GENERAL EDUCATION ELECTIVE-RESTRICTED ELECTIVE(SEE ADVISOR)			3
MAY SELECT ADDITIONAL BUSINESS ELECTIVE (SEE ADVISOR)			
			14

Opportunities in Pastry & Baking Arts:

Graduates of this nationally recognized Pastry & Baking Arts specialization (accredited through the American Culinary Federation Accrediting Commission) will have an outstanding foundation on which to pursue a career in the food service industry with the specialized skills of a pastry cook. Typical job titles include pastry cook; pastry chef's assistant; and pantry cook. Prospective workplaces include restaurants, country clubs, resorts, hotels, retirement homes, cruise ships, supermarkets, and catering operations.

Furthermore, graduates of this Pastry & Baking option of the Food Service Management program will become eligible to sit for the exam offered by the American Culinary Federation to become a Certified Pastry Culinarian (CPC.)

Currently, the Pastry and Baking Arts is a specialized field that has a shortage of labor, and graduates can expect to be gainfully employed soon after graduation.

All credit hours taken in this Associate degree program may be applied to the Bachelor degree program in Hospitality Management at Fairmont State University.

Selective Enrollment:

Admission to the Pastry & Baking Arts program is competitive. Applications should be received by April 1 of each year for admission into the fall program. Applicants to the program must have a minimum GPA of 2.0, a score of 18 or higher on the English section of the ACT (or SAT equivalent) or successful completion of ENGL 0097 or ENGL 1104, and a score of 18 or better on the Math section of the ACT (or SAT equivalent) or successful completion of MATH 0095. Experience in the food service industry or certification from a ProStart program is highly desirable.

To continue in the Pastry & Baking Arts program, the student must meet the following standards:

a.) Pass all courses required for the A.A.S. degree.

b.) Maintain a minimum overall grade point average (GPA) of 2.0 and no less than a "C" grade in all Culinary Arts courses.

Readmission to the program will be determined on an individual basis. This will be decided by the Admissions Committee on the basis of qualifications of the student and upon a space available. Students in good standing who withdraw from the program for unpredictable or uncontrollable reasons will be given priority consideration if the reapply.

Required Courses

- Pastry & Baking Arts Specialization ....64 SEM. HRS.

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
		(PR: "C" OR HIGHER IN ENGL 1104)	
		("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	
FOSM	1100	SERVSAFE®	1
FOSM	1110	NUTRITION	3
FOSM	1119	INTRO TO FOOD SERVICE INDUSTRY	3
FOSM	1121	FOOD SERVICE FAC. & EQUIPMENT	3
FOSM	1130	BASIC BAKING	3
FOSM	1140	FOOD SERVICE COST ANALY & MAN	3
FOSM	2201	PRINCIPLES OF FOOD SEL & PREP	3
FOSM	2202	PRINCIPLES OF FOOD SEL & PREP LAB	1
FOSM	2203	PRINCIPLES OF QUANTITY FOODS	3

FOSM	2204	PRINCIPLES OF QUANTITY FOODS LAB	1
FOSM	2224	PURCHASING & RECEIVING	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
FOSM	2995	FOOD SERVICE PRACTICUM	10
FOSM	2230	ADVANCED BAKING	3
FOSM	2232	PASTRY & CONFECTIONS	3
INFO	1110	COMP CONCEPTS & APPLICATIONS	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
GENERAL EDUCATION ELECTIVE			3

MODEL SCHEDULE .... 64 SEM. HRS.

FRESHMAN FIRST SEMESTER

FOSM	1100	SERVSAFE™	1
FOSM	1121	FOOD SERVICE FAC & EQUIP	3
FOSM	1130	BASIC BAKING	3
FOSM	2201	PRINCIPLES OF FOOD SELECTION AND PREP	3
FOSM	2203	PRINCIPLES OF FOOD LABORATORY	1
ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENG 0097)	3
			14

FRESHMAN SECOND SEMESTER

FOSM	1119	INTRO FOOD SERVICE INDUSTRY	3
FOSM	1140	FOOD SERVICE COST ANALY&MAN	3
FOSM	2202	PRINCIPLES OF QUANTITY FOODS	3
FOSM	2204	PRIN OF QUAN FOOD LABORATORY	1
FOSM	2230	ADVANCED BAKING	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
			16

SUMMER

FOSM	2995	FOOD SERVICE PRACTICUM	6
			6

SOPHOMORE FIRST SEMESTER

FOSM	1110	NUTRITION	3
FOSM	2224	PURCHASING & RECEIVING	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
FOSM	2995	FOOD SERVICE PRACTICUM	2
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
			14

SOPHOMORE SECOND SEMESTER

FOSM	2232	PASTRY & CONFECTIONS	3
FOSM	2995	FOOD SERVICE PRACTICUM	2
INFO	1100	COMP CONCEPTS & APPLICATIONS	3
MKTG	2204	PRINCIPLES OF MARKETING	3
GENERAL EDUCATION ELECTIVE-RESTRICTED ELECTIVE (SEE ADVISOR)			3
MAY SELECT ADDITIONAL BUSINESS ELECTIVE (SEE ADVISOR)			
			14

Opportunities in Resort & Hotel Management:

Graduates of this Food Service Management option will be able to help meet the growing demands of the hotel, resort, and tourism segments of the industry by being trained to provide support services for the hospitality and lodging industries. Graduates will be able to apply their specialized training in entry-level to middle management positions, and will be particularly prepared for "front house" operations as a result of their studies in guest services, housekeeping, catering and banquets, and front desk operations. Graduates of this Resort & Hotel Management option will have the added benefit of having had classroom experience in Culinary Arts, which may likely enhance their employability.

Job settings include hotels, restaurants, inns, schools/universities, banquet facilities, and exclusive clubs. Typical job titles include the following: dining room supervisor; front office supervisor; guest services manager; banquet manager; assistant food and beverage manager; and maitre d'hotel.

All credit hours taken in this Associate degree program may be applied to the Bachelor degree program in Hospitality Management at Fairmont State University.

Required Courses

- Resort & Hotel Management Specialization ..65 SEM. HRS.

ACCT	2201	PRINCIPLES OF ACCOUNTING	3
BUSN	1102	INTRO TO BUSINESS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
		(PR: "C" OR HIGHER IN ENGL 1104)	
		("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	
FOSM	1110	NUTRITION	3
FOSM	1119	INTRO TO FOOD SERVICE INDUSTRY	3
FOSM	1121	FOOD SERVICE FAC. & EQUIPMENT	3
FOSM	1122	SANITATION & SAFETY	2
FOSM	1140	FOOD SERVICE COST ANALY & MAN	3
FOSM	2200	INTRODUCTION TO FOODS	3
FOSM	2202	PRINCIPLES OF QUANTITY FOODS	3
FOSM	2224	PURCHASING & RECEIVING	3
FOSM	2225	RESORT & HOTEL MANAGEMENT	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
FOSM	2227	FOOD & BEVERAGE MERCHANDISING	3
FOSM	2995	FOOD SERVICE PRACTICUM	9
INFO	1110	COMP CONCEPTS & APPLICATIONS	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MGMT	2209	PRINCIPLES OF MGMT	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3

MODEL SCHEDULE .... 65 SEM. HRS.

FRESHMAN FIRST SEMESTER

FOSM	1119	INTRO TO FOOD SERVICE INDUSTRY	3
FOSM	1121	FOOD SERVICE FAC. & EQUIPMENT	3
FOSM	1122	SANITATION & SAFETY	2
FOSM	2200	INTRODUCTION TO FOODS	3
FOSM	1110	NUTRITION	3
ENGL	1104	WRITTEN ENGLISH I (PR: ACT 18 OR ENG 097)	3
			17

FRESHMAN SECOND SEMESTER

FOSM	1140	FOOD SERVICE COST ANALY & MAN	3
FOSM	2202	PRINCIPLES OF QUANTITY FOODS	3
BUSN	1102	INTRO TO BUSINESS	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1110	COMP CONCEPTS & APPLICATIONS	3
			15

SUMMER

FOSM	2995	FOOD SERVICE PRACTICUM	6

SOPHOMORE FIRST SEMESTER

FOSM	2224	PURCHASING & RECEIVING	3
FOSM	2225	RESORT & HOTEL MANAGEMENT	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3
MGMT	2209	PRINCIPLES OF MGMT	3
			15

SOPHOMORE SECOND SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING	3
FOSM	2227	FOOD & BEVERAGE MERCHANDISING	3
FOSM	2995	FOOD SERVICE PRACTICUM	3
MKTG	2204	PRINCIPLES OF MARKETING	3
			12

SERVSAFE®
Skill Set

Brian Floyd, Certified Executive Chef,
Assistant Professor and Program Coordinator
140 Education Building / (304) 367-4409
bfloyd@pierpont.edu

Program Purpose:

This Skill Set is a single course that will provide a certificate awarded by Pierpont Community & Technical College that is recognized as certification of training in sanitation policy and procedures for food service workers as required by their employer. Consult Program Advisor.

Student Learning Outcomes:

Upon successful completion of the ServSafe® Skill Set certificate, graduates will be able to do the following:

- Apply all required and recommended safe food handling procedures including selection, preparation and storage or both fresh and refrigerated or frozen foods
- Complete all requirements to sit for the National Restaurant Association examination on safe food practices

Opportunities:

This Skill Set certificate is recognized by the food industry as evidence of satisfactory food practices required by health departments for food handlers in any/all public and private businesses and institutions.

Required Course:

FOSM	1122	SANITATION AND SAFETY	2
-OR-			
FOSM	1100	SERVSAFE®	1

NUTRITION
(Minor)

(See Health Education section of University degree programs)

GRAPHICS TECHNOLOGY
Associate of Science

Vijay Raol
406 Engineering Tech / (304) 367-4104
jraol@pierpont.edu

Program Purpose:

The A. S. Graphics Technology Degree provides training in visual communications, where students will learn to plan, analyze, and create visual solutions to communications problems. This program focuses on the technical aspects of graphic design, preparing students for entry-level positions in areas of print, multimedia, and web design.

Student Learning Outcomes:

Upon successful completion of the AS degree in Graphics Technology, graduates will be able to do the following:

- Operate a Macintosh Computer
- Define, analyze, plan, and produce an original multimedia CD or DVD
- Design, implement, and maintain original websites
- Use basic photography for graphic design solutions
- Create original digital artwork for graphic design solutions
- Shoot and digitally alter original digital photographs
- Plan, create, refine, and produce an original Flash animation
- Create designs and computer layouts for original printed graphics
- Create, by hand or through computer software, original illustration art for graphic design solutions

Internet publishing option:
Students who choose to pursue the Internet publishing option (an additional 9 credits) will be able to generate design solutions for inter-active media.

Electronic publishing option:
Students who choose to pursue the Electronic publishing option (an additional 9 credits) will be able to perform graphic design services in the print environment.

Opportunities:

Graduates with the Associate of Science degree in Graphics Technology are qualified forentry level positions to work as Layout Artists, GraphicDesign Assistants, Web Design Technicians and Free-lance Graphic Artists.

All credit hours taken in this Associate degree program may be applied to the Bachelor degree program in Graphics Technology or Graphics/Fine Arts at Fairmont State University.

- Graphics Technology ....60 SEM. HRS.

The First Year Experience (15 Hours)

COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
MATH		ANY COLLEGE LEVEL 1107 OR ABOVE	3

Additional General Education Requirements (15 Hours)

ART	1140	DESIGN I: 2D	3
ART	1141	DESIGN II: 3D	3
ART	1142	DRAWING	3
DRFT	1100	ENGINEERING GRAPHICS	3
ARTISTIC/CREATIVE EXPRESSION ELECTIVE			3

Graphics Technology-Common Core Courses (30 Hours)

GRAP	1100	GRAPHICS COMMUNICATIONS PROCESSES	3
GRAP	1125	MULTIMEDIA CONCEPTS	3
GRAP	1150	COMPUTER APPLICATIONS TO GRAPHICS	3
GRAP	2210	GRAPHICS - METHODS & MATERIALS	3
GRAP	2230	GRAPHIC DESIGN I	3
GRAP	2235	GRAPHIC DESIGN II	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
GRAP	2290	IMAGE EDITING	3
GRAP	2995	GRAPHICS PRACTICUM	3
OFAD	2250	DESKTOP PUBLISHING	3

Additional Areas of Emphasis

- PRINT PUBLISHING EMPHASIS .... (9 HOURS)

DRFT	2200	FUNDAMENTALS OF CAD	3
GRAP	2265	ESTIMATING & COST ANALYSIS	3
GRAP	2285	ELECTRONIC ART	3

- INTERNET PUBLISHING EMPHASIS (9 HOURS)

DRFT	2200	FUNDAMENTALS OF CAD	3
GRAP	2255	INTERNET ANIMATION	3
GRAP	2280	INTERNET PUBLISHING	3

MODEL SCHEDULE 69 SEM. HRS.

FRESHMAN FIRST SEMESTER (USUALLY FALL)

ART	1140	DESIGN I: 2D	3
ENGL	1104	WRITTEN ENGLISH I	3
GRAP	1100	GRAPHICS COMMUNICATIONS PROCESSES	3
GRAP	1150	COMPUTER APPLICATIONS TO GRAPHICS	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
			15

FRESHMAN SECOND SEMESTER (USUALLY SPRING)

ART	1141	DESIGN II: 3D	3
COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
ENGL	1108	WRITTEN ENGLISH II	3
GRAP	1125	MULTIMEDIA CONCEPTS	3
MATH	ANY COLLEGE LEVEL 1107 OR ABOVE		3
			15

SOPHOMORE FIRST SEMESTER (USUALLY FALL)

ART	1142	DRAWING	3
DRFT	1100	ENGINEERING GRAPHICS	3
GRAP	2210	GRAPHICS-METHODS & MAT.	3
GRAP	2230	GRAPHICS DESIGN I	3
OFAD	2250	DESKTOP PUBLISHING	3
			15

SOPHOMORE SECOND SEMESTER (USUALLY SPRING)

GRAP	2235	GRAPHIC DESIGN II	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
GRAP	2995	GRAPHICS PRACTICUM (INSTRUCTOR CONSENT)	3
GRAP	2290	IMAGE EDITING	3
ARTISTIC/CREATIVE EXPRESSION ELECTIVE			3
			15

Graphics Technology +
Print Publishing Emphasis 69 SEM. HRS.

- PRINT PUBLISHING EMPHASIS (9 Hours)

DRFT	2200	FUNDAMENTALS OF CAD	3
GRAP	2265	ESTIMATING & COST ANALYSIS	3
GRAP	2285	ELECTRONIC ART	3
			9

Graphics Technology +
Internet Publishing Emphasis 69 SEM. HRS.

- INTERNET PUBLISHING EMPHASIS (9 Hours)

DRFT	2200	FUNDAMENTALS OF CAD	3
GRAP	2255	INTERNET ANIMATION	3
GRAP	2280	INTERNET PUBLISHING	3
			9

HEALTH INFORMATION TECHNOLOGY

Associate of Applied Science

Amy Cunningham, Program Coordinator
305 Ed Building / (304) 367-4764
Amy.Cunningham@pierpont.edu

Program Purpose:

The A.A.S. Health Information Technology Degree provides training in the skills needed to be effective in maintaining health information. Such documentation assists in ensuring the continuity of care and protects the financial and legal interests of the patient, the health care facility, and the responsible practitioner caring for the patient.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Health Information Technology, graduates will be able to do the following:

- Collect, maintain, and analyze health data structure and content and be familiar with healthcare data standards and requirements
- Apply and validate clinical classification systems and support reimbursement methodologies
- Collect, organize and present healthcare statistics
- Participate and comply in quality assessment and performance issues, and healthcare delivery systems
- Implement, maintain and demonstrate healthcare compliance, confidentiality, ethical, legal and privacy issues
- Utilize and protect health information and communication technologies
- Design, maintain, and utilize health data, storage, security, and retrieval
- Develop, apply, and participate in human resource management, and financial and physical resources
- Demonstrate professional behavior through attendance, promptness, and ability to assume appropriate responsibility

Opportunities:

Graduates with the Associate of Applied Science degree in Health Information Technology are qualified forentry level positions as Health Information Technicians. After graduation from the program, the graduate is qualified to take the National Accreditation Examination for Registered Health Information Technician (RHIT).

All credit hours taken in this Associate degree program may be applied to the Bachelor of Science degree in Healthcare Informatics at Fairmont State University.

MODEL SCHEDULE 72 SEM. HRS.

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
HLCA	1100	MEDICAL TERMINOLOGY	3
HLIN	1100	FUNDAMENTALS OF HEALTH INFORMATION	3
HLIN	1101	FUNDAMENTALS OF HEALTH INFORMATION LAB	1
HLIN	1102	HEALTH INFORMATION COMMUNITY SERVICE	1
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
			17

FRESHMAN SECOND SEMESTER

HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LAB	1
ENGL	1108	WRITTEN ENGLISH II	3
HLIN	1105	COMPUTERS IN HEALTH CARE	3
HLIN	1109	HEALTH CARE STATISTICS	3
HLIN	1110	LEGAL ASPECTS OF HEALTH INFORMATION	3
			16

FIRST SUMMER TERM

HLIN	1115	ALTERNATE CARE SETTINGS	2
GENERAL STUDIES ELECTIVE			3
			5

SOPHOMORE FIRST SEMESTER

HLCA	1102	PATHOPHYSIOLOGY	3
HLIN	2200	INTERPRETATION OF DIAGNOSTIC DATA	3

HLIN	2203	QUALITY ASSESSMENT/UTILIZATION REVIEW	3
HLIN	2205	CLASSIFICATION SYSTEM I - ICD	5
HLIN	2206	CLINICAL PRACTICUM I	4
			18

SOPHOMORE SECOND SEMESTER

HLIN	2202	REIMBURSEMENT SYSTEMS	2
HLIN	2207	HEALTH INFORMATION SUPERVISION	3
HLIN	2208	CLINICAL PRACTICUM II	4
HLIN	2209	CLASSIFICATION SYSTEM II	5
HLIN	2995	HEALTH INFORMATION TECHNOLOGY CAPSTONE	2
			16

HOMELAND SECURITY

Associate of Applied Sciences

Dean Van Bibber, Program Coordinator
309 Hardway Hall /(304) 367-4288
dvanbibber@pierpont.edu

Program Purpose:

The Homeland Security program at Pierpont Community & Technical College provides students with a diverse orientation to the workings of the various systems and subsystems of the national Homeland Security program. This is one of the college's most recently developed academic programs. In order to provide for students with various backgrounds and career aspirations, the program allows students to select one of four areas of concentration: a Criminal Justice track; an EMS track; a Safety track and an Aviation track. In order to be accepted into the program, students must provide proof of US citizenship and pass a criminal background check.

Student Learning Outcomes:

Upon the successful completion of the Associate of Applied Science in Homeland Security, graduates will be able to do the following:

- Identify and understand the roles of criminal justice; EMS; Safety; and aviation concerning Homeland Security
- Identify and explain the causes of risk, vulnerabilities and threats we face presently and in the future
- Write effectively as a professional, including incident reports and conduct the appropriate studies
- Assess the effectiveness of certain Homeland Security programs when dealing with diverse populations
- Evaluate the appropriateness of certain behavior as they relate to suitability for employment in the Homeland Security profession

Opportunities:

NOTE: A background check is required for employment in this field.

Graduates of the AAS degree in Homeland Security are eligible to compete for Homeland Security-related jobs as security managers for several worksites, including US Defense Corporations and hospitals; as industrial risk managers; as security officers for the aviation profession; and as members of retail security management. Local, county, and state governments are career markets for Homeland Security graduates. Some Homeland Security graduates also compete for federal jobs in this security-related profession.

- Homeland Security .... 65-71 SEM. HRS.
- Core Courses ....41 SEM. HRS.

AVMA	2206	AVIATION SECURITY *	3
COMM	2200, 2201 OR 2202	COMMUNICATION	3
CRJU	2257	RISK MANAGEMENT *	3
EMMS	1112	EMS ERT: BASIC CONCEPTS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INTR	2995	INTERDISCIPLINARY PRACTICUM *	3
MATH OR SCIENCE			3
PHED	1100	FITNESS AND WELLNESS	2
POLI	1103	AMERICAN GOVERNMENT	3
SFTY	2210	DISASTER PREPAREDNESS *	3
SOCY	1110	INTRO TO SOCIOLOGY	3
-OR-			
PSYC	1101	INTRO TO PSYCHOLOGY	3
ETHICS ELECTIVE (ANY 3 HOUR ETHICS CLASS)			3

AVIATION TRACK ....27 SEM. HRS.

AVMA	1100	INTRO TO FLIGHT THEORY	3
AVMA	2211	AIRPORT MANAGEMENT	3
AVMA	2205	GENERAL AVIATION OPS	3
AVMA	1109	AIR RESCUE FIRE FIGHTING	3
AVMA	2202	AVIATION LAW	3
AVMA	2213	AIRPORT PLAN & DEVELOP	3
AVMA	2203	AIRLINE OPERATIONS	3
AVMA	2225	AIRLINE TRANSPORT SECURITY	3
AVMA	2207	AVIATION SAFETY	3

CRIMINAL JUSTICE TRACK ....30 SEM. HRS.

CRJU	1100	INTRODUCTION TO CRIMINAL JUSTICE	3
CRJU	1101	POLICE OPERATIONS	3
CRJU	2202	PRINCIPLES OF CRIMINAL LAW	3
CRJU	2209	FIREARMS	3
CRJU	2215	INTRODUCTION TO PRIVATE SECURITY	3
CRJU	2236	CRIMINAL INVESTIGATION	3
CRJU	2260	TERRORISM, COUNTER TER., AND TER. RESPONSE*	3
PSYC	2250	COMMUNITY PSYCHOLOGY	3
SOCY	1110	INTRO TO SOCIOLOGY (WHICHEVER NOT TAKEN AS CORE)	3
-OR-			
PSYC	1101	INTRO PSYCHOLOGY (WHICHEVER NOT TAKEN AS CORE)	3
SOCY	2200	SOCIAL PROBLEMS	3

EMS TRACK ....24 SEM. HRS.

EMMS	1100	INTRODUCTION TO EMS	2
EMMS	1103	EMT - BASIC	7
EMMS	1104	EMS OPERATIONS	2
EMMS	1111	HOMELAND SECURITY PRACTICUM I*	1
EMMS	2221	HOMELAND SECURITY PRACTICUM II*	1
EMMS	2222	EMERGENCY RESPONSE TO TERRORISM: TACTICAL CONSIDERATIONS*	3
EMMS	2223	HOMELAND SECURITY PRACTICUM III*	1
EMMS	2224	BASIC LIFE SUPPORT & HAZARDOUS MATERIALS	3
EMMS	2225	HOMELAND SECURITY PRACTICUM IV*	1
SFTY	2210	DISASTER PREPAREDNESS *	3

SAFETY TRACK ....25 SEM. HRS

CHEM	1101	GENERAL CHEMISTRY	4
CHEM	1102	GENERAL CHEMISTRY	4
EMMS	2224	BLS AND HAZARDOUS MATERIALS RESPONSE *	2
MATH	1102	APPLIED TECHNICAL MATH	3
SFTY	1100	SAFETY AND ENVIRONMENTAL COMPONENTS	3
SFTY	2210	DISASTER PREPAREDNESS *	3
SFTY	2260	FIRE PREVENTION	3
SFTY	2290	INTRO INDUSTRIAL HYGIENE	3

* *New Courses specifically developed for this program.*

** *New Courses specifically developed for this program and from which certification is granted upon completion.*

AVIATION TRACK

MODEL SCHEDULE ....68 SEM. HRS.

FRESHMAN FIRST SEMESTER

AVMA	1100	AIRCRAFT FLIGHT THEORY	3
AVMA	2206	AVIATION SECURITY	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMP CONCEPTS	3
PHED	1100	FITNESS & WELL	2
PSYC	1101	INTRO TO PSYCHOLOGY	3
			17

FRESHMAN SECOND SEMESTER

AVMA	1109	AIR RESCUE FIRE FIGHT	3
AVMA	2205	GENERAL AVIATION OPS	3
AVMA	2211	AIRPORT MANAGEMENT	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECH REPORT WRITING	3
POLI	1103	AMERICAN GOVERNMENT	3
			15

SOPHOMORE FIRST SEMESTER

AVMA	2202	AVIATION LAW	3
AVMA	2203	AIRLINE OPERATIONS	3
AVMA	2213	AIRPORT PLANNING & DEV.	3
COMM	2200, 2201 OR 2202	COMMUNICATION	3
CRJU	2256	RISK MANAGEMENT	3
MATH	1107	FUND CONCEPTS OF MATH	3
			18

SOPHOMORE SECOND SEMESTER

AVMA	2207	AVIATION SAFETY	3
AVMA	2225	TRANSPORT SECURITY	3
EMMS	1112	EMS ERT: BASIC CONCEPTS	3
INTR	2995	INTERDISCIPLINARY PRACTICUM	3
SFTY	2210	DISASTER PREPAREDNESS *	3
ETHICS ELECTIVE			3
			18

CRIMINAL JUSTICE TRACK

MODEL SCHEDULE ....71 SEM. HRS.

FRESHMAN FIRST SEMESTER

CRJU	1100	INTRO TO CRIM JUSTICE	3
ENGL	1104	WRITTEN ENGLISH I	3
POLI	1103	AMERICAN GOVT.	3
PHED	1100	FITNESS WELLNESS	2
PSYC	1101	INTRO TO PSYCHOLOGY	3
SOCY	1110	INTRO TO SOCIOLOGY	3
			17

FRESHMAN SECOND SEMESTER

CRJU	1101	POLICE OPERATIONS	3
CRJU	2215	INTRO TO PRI. SECURITY	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECH REPORT WRITING	3
INTR	2995	INTERDISCIPLINARY PRAC	3
PSYC	2250	COMMUNITY PSYCH	3
SOCY	2200	SOCIAL PROBLEMS	3
			18

SOPHOMORE FIRST SEMESTER

AVMA	2206	AVIATION SECURITY	3
COMM	2200, 2201 OR 2202	COMMUNICATION	3
CRJU	2202	PRIN OF CRIMINAL LAW	3
CRJU	2209	FIREARMS	3
CRJU	2236	CRIMINAL INVESTIGATION	3
MATH OR SCIENCE (SEE CATALOG)			3
			18

SOPHOMORE SECOND SEMESTER

CRJU	2260	TERRORISM	3
CRJU	2257	RISK MANAGEMENT	3
EMMS	1112	EMS RESP. TO TERR.	3
INFO	1100	COMP CONCEPTS	3
SFTY	2210	DISASTER PREPAREDNESS *	3
ETHICS	ELECTIVE		3
			18

EMERGENCY MEDICAL SERVICES TRACK

MODEL SCHEDULE ....65 SEM. HRS.

FRESHMAN FIRST SEMESTER

EMMS	1100	INTRO TO EMS	2
EMMS	1103	EMT-BASIC	7
EMMS	1104	EMS OPERATIONS	2
EMMS	1111	HLS PRACTICUM-I	1
ENGL	1104	WRITTEN ENGLISH I	3
POLI	1103	AMERICAN GOVT	3
			18

FRESHMAN SECOND SEMESTER

AVMA	2206	AVIATION SECURITY	3
EMMS	1112	ERT: BASIC CONCEPTS	3
EMMS	2221	HLS PRACTICUM-II	1
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECH REPORT WRITING	3
PHED	1100	FITNESS & WELLNESS	2
SFTY	2210	DISASTER PREPAREDNESS	3
			15

SOPHOMORE FIRST SEMESTER

COMM	2200, 2201 OR 2202	COMMUNICATION	3
CRJU	2256	RISK MANAGEMENT	3
EMMS	2222	ERT: EMS TACT CONS	3
EMMS	2223	HLS PRACTICUM-III	1
MATH	1107	FUND CONCEPTS OF MATH	3
PSYC	1101	INTRO TO PSYCHOLOGY	3
			16

SOPHOMORE SECOND SEMESTER

EMMS	2224	BLS: HAZ-MAT RESP.	3
EMMS	2225	HLS PRACTICUM-IV	1
INFO	1100	COMP CONCEPTS	3
SFTY	2210	DISASTER PREPAREDNESS *	3
SOCY	1110	INTRO TO SOCIOLOGY	3
ETHICS	ANY 3 HOUR ETHICS COURSE		3
			16

SAFETY TRACK

MODEL SCHEDULE ....67 SEM. HRS.

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMP CONCEPTS	3
MATH	1101	APPLIED TECH MATH	3
POLI	1103	AMERICAN GOVT	3
PSYC	1101	INTRO TO PSYCHOLOGY	3
SFTY	1100	SAFETY AND ENVIRONMENTAL COMPONENTS	3
			18

FRESHMAN SECOND SEMESTER

AVMA	2206	AVIATION SECURITY	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECH REPORT WRITING	3
INTR	2995	INTERDISCIPLINARY PRACTICUM	3
MATH	1102	APPLIED TECH MATH	3
PHED	1100	FITNESS & WELLNESS	2
SFTY	2210	DISASTER PREPAREDNESS	3
			17

SOPHOMORE FIRST SEMESTER

CHEM	1101	GEN CHEMISTRY	4
CRJU	2257	RISK MANAGEMENT	3
EMMS	1112	EMS ERT: BASIC CON	3
SFTY	2290	INTRO INDUSTRIAL HYG.	3
ETHICS		(ANY 3 HOUR ETHICS CLASS)	3
			16

SOPHOMORE FIRST SEMESTER

CHEM	1102	GENERAL CHEMISTRY	4
COMM	2200, 2201 OR 2202	COMMUNICATION	3
EMMS	2224	BLS & HAZMAT RESP.	3
SFTY	2210	DISASTER PREPAREDNESS	3
SFTY	2260	FIRE PREVENTION	3
			16

INFORMATION SYSTEMS TECHNOLOGY

Associate of Applied Science

Timothy M. Joseph
201E Engineering Tech / (304) 367-4184
tjoseph@pierpont.edu

Program Purpose:

The Associate of Applied Science degree in Information Systems Technology provides students with valuable skills and knowledge in computer and network design, installation, and support. The program enables and encourages students to learn essential problem-solving skills, industry best-practices, software applications, and core technical skills used by information systems and technology industry professionals. The program also prepares students to take information technology industry certifications, e.g. CompTIA A+, Cisco Certified Entry Network Technician (CCENT), and Cisco Certifies Network Associate (CCNA).

Student Learning Outcomes:

Upon successful completion of the A.A.S degree in Information Systems Technology, graduates will be able to do the following:

- Provide basic PC-technician call center hardware and software support
- Provide basic PC-technician desk-side support for hardware and software
- Design, build, and support small to mid-size computer networks
- Plan and implement network security
- Install, upgrade, and troubleshoot computer hardware, software, and operating systems
- Perform entry-level system administrator duties on Microsoft and Linux based operating systems
- Configure, update, and support Cisco Integrated Services Routers (ISRs)

Network Technician Option:

Students who choose to pursue the Network Technician option will be able to design, secure, and support networks in home, small to mid-sized business, or Internet Service Provider environments.

Computer Applications Option:

Students who choose to pursue the Computer Applications option will be able to build websites and use Microsoft Corporations business application software suite, utilize and manage PC computing resources and applications, and support various software applications.

Opportunities:

Graduates, with an Associate of Appliance Science degree in Information Systems Technology, are qualified for positions as systems administrators, call center support technicians, hardware and software support technicians, and networking technicians and administrators.

Many students continue their education towards a Bachelors of Science degree in Information Systems, Computer Science, or a related field.

- Information Systems....................................66 SEM. HRS.
- Required courses..54 SEM. HRS.

BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
-OR-			
ENGL	1108	WRITTEN ENGLISH II	3
FINC	2230	FINANCIAL LITERACY	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	2205	INFORMATION TECHNOLOGY-HARDWARE & SOFTWARE	3
INFO	2225	FUNDAMENTALS OF WEB DESIGN	3
INFO	2207	WINDOWS SERVER INSTALLATION & MAINTENANCE	3
INFO	2995	PROFESSIONAL INTERNSHIP AND PORTFOLIO DEVELOPMENT	3
INFO	2250	NETWORKING FUNDAMENTALS	3
INFO	2256	INFORMATION SECURITY	3
MATH	1107	FUNDAMENTAL CONCEPTS OF MATH (OR HIGHER MATH)	3
MGMT	2214	OFFICE MANAGEMENT	3
-OR-			
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRODUCTION TO COMMUNICATION IN THE WORLD OF WORK	3

Choose one of the following tracks:

NETWORK ADMINISTRATION TRACK .... (12 HOURS)

INFO	2251	ROUTER THEORY & CONFIGURATION	3
INFO	2252	ADVANCED ROUTING & SWITCHING	3
INFO	2253	PROJECT BASED LEARNING	3
INFO	2255	FUNDAMENTALS OF UNIX	3

APPLICATION TRACK .... (12 HOURS)

INFO	2220	SPREADSHEET DESIGN	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2250	DESKTOP PUBLISHING	3

MODEL SCHEDULE ....66 SEM. HRS.

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
FINC	2230	FINANCIAL LITERACY	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
INFO	2250	NETWORKING FUNDAMENTALS	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
			15

FRESHMAN SECOND SEMESTER

ENGL	1109	TECHNICAL REPORT WRITING	3
-OR-			
ENGL	1108	WRITTEN ENGLISH II	3

INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	2205	INFO TECHNOLOGY: HARDWARE & OPERATING SYSTEMS	3
INFO TRACK (SEE BELOW)			3
MATH	1107	FUNDAMENTALS CONCEPTS OF MATH (OR HIGHER)	3
			15

SOPHOMORE FIRST SEMESTER

BUSN	2251	CORPORATE COMMUNICATIONS	3
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRODUCTION TO COMMUNICATION IN THE WORLD OF WORK	3
INFO	2207	WINDOWS SERVER INSTALLATION & MAINTENANCE	3
INFO	2225	FUNDAMENTALS OF WEB DESIGN	3
INFO	TRACK (SEE BELOW)		3
MGMT	2214	OFFICE MANAGEMENT	3
-OR-			
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
			18

SOPHOMORE SECOND SEMESTER

BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
INFO	2995	PROFESSIONAL INTERNSHIP & PORTFOLIO DEVELOPMENT	3
INFO	2256	INFORMATION SECURITY	3
INFO TRACK (SEE BELOW)			6
			15

NETWORK ADMINISTRATION TRACK .... (12 HOURS)

INFO	2251	ROUTER THEORY & CONFIGURATION	3
INFO	2252	ADVANCED ROUTING & SWITCHING	3
INFO	2253	PROJECT BASED LEARNING	3
INFO	2255	FUNDAMENTALS OF UNIX	3

APPLICATION TRACK .... (12 HOURS)

INFO	2220	SPREADSHEET DESIGN	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2250	DESKTOP PUBLISHING	3

INTERPRETER TRAINING PROGRAM

Associate of Applied Science

April Starks
310a Turley Center / (304) 367-4252
April.Starks@pierpont.edu

Program Purpose:

The A.A.S Interpreter Training Program provides students with the professional knowledge and skills that meet or exceed the minimum professional standards necessary to perform in a broad range of interpreting assignments. This program will begin to prepare students for the Educational Interpreter Performance Assessment (EIPA) and the National Interpreter Certification (NIC) exam.

As of June 30, 2009, all candidates for certification will be required to hold a minimum of an Associate's degree to sit for the Registry for Interpreters of the Deaf (RID) exam, and this Associate degree program at Pierpont C&TC will meet that requirement.

Student Learning Outcomes:

Upon successful completion of the completion of the A.A.S degree in the Interpreter Training Program, graduates will be able to do the following:

- Produce an utterance in the target language that conveys the original meaning/intent and maintains dynamic equivalence between the individuals engaged in the interaction
- Demonstrate unique skills required for interpreting in specialized settings, applying their preferred sign language
- Explain the role of the interpreter/transliterator to both deaf and hearing consumers of interpreting services
- Describe/discuss the missions and roles of various agencies/organizations that serve the deaf community

Opportunities:

The career opportunities for an interpreter for the Deaf include working in educational, medical, legal, mental health, religious, and community based employment.

Some graduates choose to apply this Associate degree to a Baccalaureate degree program in Interpreter Training. Other graduates choose to use this Associate degree to complement a variety of Baccalaureate degrees, including Education and Child Development or a Board of Regents degree, which provides students with a more general education of their own design that may be most appropriate for their Interpreting assignments.

MODEL SCHEDULE ....65 SEM. HRS.

FALL SEMESTER - 1ST YEAR

AMSL	1101	DEAF CULTURE AND HISTORY	3
AMSL	1108	ASL CLASSIFIERS	3
AMSL	1111	AMERICAN SIGN LANGUAGE I (8 WEEKS)	3
AMSL	1112	AMERICAN SIGN LANGUAGE II (8 WEEKS)	3
ENGL	1104	WRITTEN ENGLISH I	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
-OR-			
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3
			18

SPRING SEMESTER - 1ST YEAR

AMSL	1113	AMERICAN SIGN LANGUAGE III (8 WEEKS)	3
AMSL	1995	AMERICAN SIGN LANGUAGE IV (8 WEEKS)	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL WRITING (RECOMMENDED)	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
			15

FALL SEMESTER - 2ND YEAR

ITTP	2200	AMERICAN SIGN LANGUAGE V*	3
ITTP	2201	SIGN-TO-VOICE INTERPRETING I*	3
ITTP	2202	VOICE-TO-SIGN INTERPRETING I*	3
ITTP	2203	SIMULTANEOUS & CONSECUTIVE INTERPRETING*	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION*	3
			15

SPRING SEMESTER- 2ND YEAR

ITTP	2204	AMERICAN SIGN LANGUAGE VI*	3
ITTP	2205	SIGN-TO-VOICE INTERPRETING II*	3
ITTP	2206	VOICE-TO-SIGN INTERPRETING II*	3
ITTP	2208	LEGAL AND ETHICAL ASPECTS OF INTERPRETING*	1
ITTP	2210	EDUCATIONAL INTERPRETING*	3
ITTP	2995	INTERPRETING AS A PRIVATE PRACTICE*	4
			17

All students must demonstrate a math competency. This competency can be demonstrated by a Math ACT of 19, SAT Quantitative score of 460, COMPASS Math score of 36, or completion of Math 0095.

**Enrollment limited to ITTP students.*

LABORATORY ASSISTANT

One Year Certificate

Leslie J. Lovett, Program Coordinator
School of Health Careers
201 Education Building / (304) 367-4766
Leslie.Lovett@pierpont.edu

Program Purpose:

The Laboratory Assistant certificate program is designed to educate and prepare students for work in a laboratory under the supervision of analysts, scientists, technologists, or technicians in the physical, chemical, biological and medical sciences.

Students in this program receive one year (two semesters) of didactic instruction and laboratory training in basic and advanced laboratory skills, technical report writing, basic human anatomy and physiology, CPR (Basic Life Support) and safety procedures, communication, venipuncture and capillary puncture techniques, and computer concepts and applications.

Program Admission:

Applicants are admitted each semester to the Laboratory Assistant Program. To be considered for admission, applicants must:

1) Meet the general admission requirements of Pierpont Community and Technical College.
2) Have a high school GPA and, if applicable, a college GPA of 2.0 or better.
3) Meet the prerequisites for English 1104. These include successful completion of an academic skills writing course, OR a score of 18 or better on the English section of the ACT (or SAT equivalent) OR a score of 71 on the English COMPASS test.
4) Meet the prerequisites for MATH 1106. These include successful completion of the appropriate academic skills math class, OR a score of 19 or better on the Math section of the ACT (or SAT equivalent) OR a score of 36 on the Algebra COMPASS test.
5) All applicants are expected to meet nonacademic criteria (essential functions) in order to participate in the Lab Assistant Program and are accepted according to date of application.

NOTE:

Those students who do not meet all prerequisites may be admitted provisionally provided there is space available. Students must be eligible for Math 0095 and ENGL 0097 to be provisionally admitted into the program. It will usually take longer than two semesters full time to complete the certificate program for students who are admitted provisionally.

If space is available in class and if approved by the program coordinator, provisionally admitted students may be able to enroll in basic lab skills classes and phlebotomy theory while completing mathematics and English prerequisites.

Student Learning Outcomes:

Upon successful completion of the Laboratory Assistant Certificate Program, graduates will be able to do the following:

- Attain basic skills in performing laboratory procedures, following quality control parameters and reporting results
- Attain knowledge and skill for preparation to qualify for a phlebotomy certification exam
- Attain cognitive knowledge of basic laboratory procedures and specimen processing, requisitioning, transport, and reporting in the delivery of patient care
- Demonstrate multitasking skills and flexibility in adapting to new situations
- Communicate verbally and non-verbally with patients, health care professionals and others in an effective, appropriate, and capable manner, respecting the confidentiality of patient results
- Exhibit conduct that reflects professional standards that are legal, ethical and safe

Opportunities:

Graduates may go directly into the workforce. Laboratory Assistants may perform a variety of tasks depending upon where they are employed. They may perform phlebotomies, use computers and computer-interfaced equipment; perform quality assurance checks; collect and prepare samples for analysis; clean, maintain and set up equipment used in experiments or laboratory analyses; follow safety procedures; properly dispose of biological wastes; maintain laboratory supplies; perform routine mathematical calculations; or prepare chemical solutions, reagents and media.

Graduates may also choose to apply for admission into one of the competitive Associate degree health careers programs at Pierpont Community & Technical College or transfer into a Baccalaureate degree program offered by Fairmont State University. Graduates of the Laboratory Assistant program who are admitted into a Pierpont Associate degree Health Careers Program can complete anywhere from 15-19 credit hours toward that degree (depending on the major) before beginning of the Associate degree program.

Clinical Affiliates

The Laboratory Assistant program is currently affiliated with several medical institutions where students obtain practical experience in blood drawing techniques. Students are required to have background clearances, meet essential functions, and submit health documentation before attending clinical placements.

Program Requirements:

To remain in and graduate from the Laboratory Assistant program, students must maintain an overall GPA of 2.0 and earn a grade of "C" or better in HLCA 1100 Medical Terminology; HLCA 1105 Phlebotomy Theory; HLCA 2205 Phlebotomy Practicum; HLCA 1170 Human Anatomy and Physiology; ENGL 1104 Written English I; English 1109 Technical Report Writing; LABA 1106 Basic Lab Skills Theory; LABA 1107 Basic Lab Skills; LABA 2206 Advanced Lab Skills Theory; LABA 2207 Advanced Lab Skills; and receive credit for HLCA 1101. GPA's are reviewed each semester. Failure to meet any of these requirements will result in dismissal from the program. Students who have been dismissed for academic reasons may reapply to the program.

Readmission to the Laboratory Assistant Program will be determined on an individual basis. The decision will be made by the Laboratory Assistant Admissions Committee on the basis of the student's prior academic performance in the program, the student's qualifications when compared to the other applicants, and the availability of space.

MODEL SCHEDULE .... 30-31 SEM. HRS.

(for students who have met all mathematics and English prerequisites)

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
HLCA	1100	MEDICAL TERMINOLOGY	3
HLCA	1101	INTRODUCTION TO HEALTH CAREERS PROGRAMS	1
HLCA	1105	PHLEBOTOMY THEORY	1
HLCA	1170	HUMAN ANATOMY & PHYSIOLOGY LECTURE	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
LABA	1106	BASIC LAB SKILLS THEORY	2
LABA	1107	BASIC LAB SKILLS	1
			17-18

FRESHMAN SECOND SEMESTER

ENGL	1109	TECHNICAL REPORT WRITING	3
HLCA	2205	PHLEBOTOMY PRACTICUM	1
LABA	2206	ADVANCED LAB SKILLS THEORY	2
LABA	2207	ADVANCED LAB SKILLS	1
MATH	1106	MATH FOR HEALTH CAREERS	3
COMM	2200	INTRO TO HUMAN COMMUNICATIONS	3
SUGGESTED ELECTIVE: CHEM 1101, EMMS 1109, HLCA 1171			
			13

Students seeking admission into an Associate degree program in the School of Health Careers are encouraged to complete HLCA 1171, "Human Anatomy and Physiology Laboratory", during the first semester of the program.

LIBERAL STUDIES

Associate of Arts

Jean Bolyard
201 Jaynes Hall / (304) 367-4195
Martha.Bolyard@pierpont.edu

Program Purpose:

The Liberal Studies Associate of Arts degree provides students with the background needed prior to entering many technical and professional occupations that require at least two years of college. The coursework of the Liberal Studies A.A. fulfills the requirements for the General Studies degree of Fairmont State University.

Student Learning Outcomes:

Graduates will have demonstrated competency in the outcomes of the individual General Studies courses they completed.

Opportunities:

- Gaining entrance to a professional and technical occupation that requires applicants to complete at least two years of college level work
- Completing a two-year degree before planning specific career objectives
- Continuing or transferring into four-year degree programs*
- Obtaining a two-year degree when temporarily unable to complete a four-year degree
- Exploring the liberal arts to facilitate career selection
- Improving general education
- Updating skills and knowledge in the liberal arts

* *Students planning to transfer to four-year programs should consult the requirements of those programs to select the most appropriate courses in the Liberal Studies program.*

MODEL SCHEDULE .... 64 SEM. HRS.

FRESHMAN FIRST SEMESTER

FIRST YEAR EXPERIENCE: ENGL 1104	3
FIRST YEAR EXPERIENCE: MATH 1102 (OR HIGHER)	3
ARTISTIC/CREATIVE EXPRESSION: ART 1120, MUSIC 1120, THEATRE 1120, INTR 1120	3
SOCIETY/HUMAN INTERACTIONS: PSYC 1101; SOCI 1110, 1111; ECON 2200, 2201; GEOG 2210; POLI 1103, 2200, 2201, 2203	3
OPEN ELECTIVES (AT LEAST ONE HOUR MUST BE A LIBERAL STUDIES OPTION)	4
	16

FRESHMAN SECOND SEMESTER

FIRST YEAR EXPERIENCE: ENGL 1108 OR 1109	3
FIRST YEAR EXPERIENCE: INFO 1100	3
FIRST YEAR EXPERIENCE: COMM 2200 OR 2201 OR 2202	3
CULTURE/CIVILIZATION EXPLORATION: HIST 1107, 1108, 2211, 2212, 2213; PHIL 2200, 2250; FREN 1101, 1102, 2201, 2202 OR SPAN 1101, 1102, 2201, 2202	3
OPEN ELECTIVES	4
	16

SOPHOMORE FIRST SEMESTER

CULTURE/CIVILIZATION EXPLORATION: ENGL 2220 AND 2221 OR ENGL 2230 AND 2231	3
SOCIETY/HUMAN INTERACTIONS: PSYC 1101; SOCI 1110, 1111; ECON 2200, 2201; GEOG 2210; POLI 1103, 2200, 2201, 2203	3
SCIENTIFIC DISCOVERY: BIOL 1105; BIOL 1170; CHEM 1101, 1105; GEOL 1101; PHYS 1101, 1105; SCIE 1110**, SCIE 1103**, 1020 SCIE 1000*, 1120*, 1010*, 1210*, 1220*	4
OPEN ELECTIVES	6
	16

SOPHOMORE SECOND SEMESTER

CULTURE/CIVILIZATION EXPLORATION: ENGL 2220 AND 2221 OR ENGL 2230 AND 2231	3
IN-DEPTH ARTISTIC/CREATIVE EXPRESSION COURSE OR INTERDISCIPLINARY/ADVANCED STUDIES***	3
SCIENTIFIC DISCOVERY: BIOL 1106; CHEM 1102, 1106; GEOL 1102, 1103; PHYS 1102, 1106; SCIE 1199**, 1110**, 1103**, 1020, 1000**, 1010**, 1210**, 1220**	4
OPEN ELECTIVES	6
	16

*** Recommended for non-science majors*
**** Students choose three hours from the following:*

IN-DEPTH ARTISTIC/CREATIVE EXPRESSION

APPD	1116	HISTORY OF CONTEMPORARY FASHION	3
ARCH	1130	ARCHITECTURAL HISTORY I	3
ARCH	1160	ARCHITECTURAL HISTORY II	3
ART	2278	ART FROM PREHISTORIC TO 1450	3
THEA	2260	THEATRE HISTORY	3

PERFORMANCE-BASED COURSES

APPD	1102	APPAREL DESIGN	3
ART	1142	DRAWING	3
ART	2241	DRAWING FROM LIFE	3
ART	2261	PAINTING	3
ART	2283	MODELING AND SCULPTURE	3
DANC	1100	INTRO TO BALLROOM DANCING	2
GRAP	2290	IMAGE EDITING	3
MUSI	1105	FUNCTIONAL PIANO 1-IV	1
MUSI	1139	VOICE CLASS	1
MUSI	1167	COLLEGIATE SINGERS	2
MUSI	1168	MARCHING BAND	1
MUSI	1169	CONCERT BAND	1
MUSI	1172	ORCHESTRA	1

MUSI	2247	STAGE BAND	1
MUSI	2277	CHAMBER CHOIR	1
RECR	1146	FOLK & SQUARE DANCING	2
THEA	1148	THEATRE WORKSHOP I	1
THEA	2212	THEATRICAL MAKEUP	1
THEA	2220	ORAL INTERPRETATION	3
THEA	2230	ACTING	3
THEA	2238	ACTING WORKSHOP I	1
THEA	2244	INTRO TO THEATRICAL DESIGN	3
PHED	1100	FITNESS & WELLNESS	2

INTERDISCIPLINARY/ADVANCED STUDIES

FOLK	2200	INTRODUCTION TO FOLKLORE	3
INTR	2200	RACE, CLASS, AND GENDER IN POP CLTR	3
INTR	2201	INTRODUCTION TO WOMEN'S STUDIES	3
INTR	2280	EMPOWERING LEADERSHIP	3
INTR	2281	GREAT IDEAS OF LEADERS	3

MUSEUM STUDIES CONCENTRATION

Associate of Arts

Beth A. Newcome
137 Education Building / (304) 367-4919
Beth.Newcome@pierpont.edu

Program Purpose:

In collaboration with the Frank and Jane Gabor West Virginia Folklife Center and the School of Human Services Folklife Studies program, this A.A. in Liberal Studies with a Museum Studies concentration provides students the opportunity to complete a Museum Studies Skill Set while completing course work that will satisfy General Education requirements of an Associate degree. (For more information on the Museum Studies Skill Set and the complete Folklife Studies program, please refer to the School of Human Services.)

Student Learning Outcomes:

Upon successful completion of the A.A. in Liberal Studies with a Museum Studies Concentration, graduates will be able to do the following:

- Demonstrate a working knowledge of the operations of differing types of museums: small and large, public and private
- Perform collections management and archival preservation processes
- Design, Construct, and install various exhibits and displays
- Demonstrate a working knowledge of museum administrative operations, including funding processes, volunteer/staff management, curatorial and collections management, and publications
- Create various museum educational activities, programs, and materials
- Perform first-person role play and third-person presentation, discussions, reenactments, lectures, and skills demonstrations

Opportunities:

Graduates who desire entry-level posts in a museum setting as an interpreter, collections manager, educational programming director, exhibit developer, historical reenactor, or other position in technical museum work will be competitive in this job market. Current area economic trends indicate that heritage tourism, regional travel, historic preservation, and the general promotion of the region's cultural resources are a fast growing segment of the economic base and will assist in setting the direction for future regional economic development. Many work settings, including regional state and national parks, museums, historical sites, and conference centers are all seeking qualified individuals for the various positions that this current interest in historical preservation, cultural study, and heritage tourism is creating.

MUSEUM STUDIES CONCENTRATION ....65 SEM. HRS.
- Museum Studies ....21 SEM. HRS.
- General Education & Required Core ....44 SEM. HRS.

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
FINE ARTS GENERAL EDUCATION ELECTIVE (SELECT ONE)			3
	ART, MUSI, OR THEA 1120		
FOLK	2200	INTRODUCTION TO FOLKLORE	3
GEOG	2210	INTRO TO GEOGRAPHY	3
HIST	1108	US HISTORY II	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
ENGL	2230	INTRODUCTION TO LITERATURE I	3
ENGL	2231	INTRODUCTION TO LITERATURE II	3
MATH	1107	FUNDAMENTAL CONCEPTS	3
SCIE	1210	SCIENCE IN THE HEART OF APPALACHIA	4
SCIE	1220	GEOLOGIC HERITAGE IN THE FIELD	4
SOCY	1111	INTRO TO ANTHROPOLOGY	3
COMM	2200 OR 2201 OR 2202	COMMUNICATION	3

Museum Studies ....21 SEM. HRS.

FOLK	1100	INTRO TO MUSEUMS	3
FOLK	1150	FOLK ARTS	3
FOLK	2210	MUSEUM EDUCATION PROGRAMMING	3
FOLK	2220	MUSEUM COLLECTIONS MANAGEMENT	3
FOLK	2230	MUSEUM EXHIBIT DESIGN & PREPARATION	3
FOLK	2240	MUSEUM INTERPRETATION	3
FOLK	2995	MUSEUM INTERNSHIP	3

MODEL SCHEDULE ....65 SEM. HRS.

FRESHMAN FIRST SEMESTER

ART	1120	ART APPRECIATION	3
ENGL	1104	WRITTEN ENGLISH I	3
FOLK	1100	INTRODUCTION TO MUSEUMS	3
FOLK	1150	FOLK ARTS	3
MATH	1107	FUNDAMENTAL CONCEPTS	3
			15

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
FOLK	2240	MUSEUM INTERPRETATION	3
FOLK	2220	MUSEUM COLLECTION MANAGEMENT	3
GEOG	2210	INTRO TO GEOGRAPHY	3
COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
			15

SUMMER

FOLK	2995	MUSEUM INTERNSHIP	1
			1

SOPHOMORE FIRST SEMESTER

ENGL	2230	INTRODUCTION TO LITERATURE I	3
FOLK	2200	INTRODUCTION TO FOLKLORE	3
FOLK	2230	MUSEUM EXHIBITS DESIGN & PREP	3
INFO	1100	COMPUTER CONCEPTS & APPS	3
SCIE	1210	SCIENCE IN THE HEART OF APPALACHIA	4
			16

SOPHOMORE SECOND SEMESTER

ENGL	2231	INTRODUCTION TO LITERATURE II	3
FOLK	2210	MUSEUM EDUCATION PROGRAMMING	3
HIST	1108	UNITED STATES HISTORY II	3

SCIE	1220	GEOLOGICAL HERITAGE IN THE FIELD	4
SOCY	1111	INTRODUCTION TO ANTHROPOLOGY	3
			16

SOCIAL WORK CONCENTRATION

Associate of Arts

Joe Larry
321 Hardway Hall / (304) 367-4696
jlarry@fairmontstate.edu

Program Purpose:

The Associate of Arts in Liberal Studies with a Social Work Concentration provides the basis for the first two years of a Bachelor's degree in Social Work (BSW) offered by West Virginia University.

This Associate of Arts degree is part of an articulation agreement between the two institutions.

The Pre-Social Work concentration and specifically the Introduction to Social Work class will provide the student with the comprehensive overview of the ways that social workers respond to a wide range of societal problems.

This program has more specific required courses than a traditional Associate of Arts in Liberal Studies because it has been specifically designed to meet the needs of prospective B.S.W students at WVU.

Student Learning Outcomes:

Upon successful completion of the A.A. in Liberal Studies with a Social Work Concentration, graduates will be able to do the following:

- Meet the minimum academic qualifications for acceptance into the SocialWork program at WVU

Opportunities:

Students who successfully complete this program will be able to compete for admission into one of 60 slots in the Bachelor's of Social Work program at WVU. (Students will also be requiredto have an overall GPA of 2.25 or higher, 100 hours of documented paid or volunteer experience, a written personal statement, and a letter of reference.)

Students may also choose to apply thisAssociate of Arts in Liberal Studies degree to anyBachelor's program at Fairmont State University, where it will satisfy all Liberal Studies requirements.

MODEL SCHEDULE 64-65 SEM. HRS.

FRESHMAN FIRST SEMESTER

ART	1120	ART APPRECIATION	3
ENGL	1104	WRITTEN ENGLISH I (MUST HAVE ACT ENGL 18 OR ENGL 0097)	3
MATH	1107	FUNDAMENTAL CONCEPTS OR HIGHER MATH (MUST HAVE ACT MATH 19 OR MATH 0095 INTRODUCTORY ALGEBRA)	3
PSYC	1101	GENERAL PSYCHOLOGY*	3
SPAN	1101	ELEMENTARY SPANISH	3
-OR- HIGHER			
			15

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II (MUST HAVE "C" OR BETTER IN ENGL 1104)	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
HIST	1107	US HISTORY I	3
-OR-			
HIST	1108	US HISTORY II	3
INFO	1100	COMP. CONCEPTS AND APPLICATIONS	3
SOCY	1110	INTRO. TO SOCIOLOGY*	3
SCIENCE DISCOVERY COURSE			4
			16

SOPHOMORE FIRST SEMESTER

BIOL	1105	BIOLOGICAL PRINCIPLES I*	4
ENGL	2220	WORLD LITERATURE I	3
-OR-			
ENGL	2230	INTRODUCTION TO LITERATURE I	3
INTR	2200	RACE, CLASS, GENDER IN POP CLTR*	3
PSYC	2250	COMMUNITY PSYCHOLOGY	3
SOCY	2200	SOCIAL PROBLEMS*	3
			16

SOPHOMORE SECOND SEMESTER

COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
ENGL	2221	WORLD LITERATURE II	3
-OR-			
ENGL	2231	INTRODUCTION TO LITERATURE II (MUST HAVE "C" IN ENGL 1104)	3
INTR	2201	INTRO. TO WOMEN'S STUDIES	3
-OR-			
INTR	2280	EMPOWERING LEADERSHIP	3
-OR-			
INTR	2281	GREAT IDEAS OF LEADERS	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE*	3
SOCY	1151	INTRODUCTION TO SOCIAL WORK* (MUST TO EARN "C" OR BETTER)	3
ELECTIVE			2 OR 3
			17-18

**Required*

MEDICAL LABORATORY TECHNOLOGY

Associate of Applied Science

Dr. Rosemarie Romesburg, Program Coordinator
Dean, School of Health Careers
211 Education Building / (304) 367-4284
Rosemarie.Romesburg@pierpont.edu

Program Purpose:

The Medical Laboratory Technology program provides education and training for students to become Medical Laboratory Technicians (MLTs). MLTs perform a variety of laboratory tests in blood banking, chemistry, hematology, immunology, microbiology and urinalysis.

The two-year Medical Laboratory Technology (MLT) Program is nationally accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). In addition to offering a general studies and a laboratory based general science curriculum, the program is also designed to provide students with 46 credit hours of required MLT clinical lecture and laboratory courses, which are integrated with a hospital or clinic based practicum experience. A current list of clinical agencies affiliated with the program can be obtained from the MLT Clinical Education Coordinator. Please note that students must pass a criminal background clearance, meet health requirements and essential functions, and provide their own transportation to assigned clinical sites.

To be considered for admission to the MLT program, the applicant must:

- Meet the general admission requirements of Pierpont Community & Technology College.
- Have successfully completed courses in Biology, Chemistry and Algebra in high school or college.
- Have a score of 19 or better in the Math portion of the ACT (or SAT equivalent) or a 36 or better in the COMPASS algebra test, or have successfully completed Math 0095.
- Have a score of 18 or better in the English portion of the ACT (or SAT equivalent) or a 71 or better in the COMPASS writing test, or have successfully completed ENGL 0097.
- Submit an application for admission designating Associate degree Medical Laboratory Technology as a major field of study; official ACT or SAT scores; GED or high school transcripts; and any college transcripts to the Registrar's Office by January 31 to be considered for the following academic year. Applications will only be considered after the deadline if space remains available.

An impartial scoring system based on the required academic coursework is employed to rank the MLT applicants. Applicants who are not admitted to the program must reapply if they wish to be considered for acceptance the following academic year.

- To remain in the MLT program, a student must obtain a "C" or above in every MLAB class and maintain an overall GPA of 2.0, and a science GPA of 2.0. Failure to meet any of these requirements will result in dismissal from the program. Students who have been dismissed may reapply to the program and their credentials will be reevaluated. To graduate from the MLT program, a student must have a cumulative GPA of at least 2.0.

Student Learning Outcomes:

Upon successful completion of the A.A.S. degree in Medical Laboratory Technology, graduates will be able to do the following:

- Demonstrate knowledge of and competence in performing test methodologies and assume responsibility to safely perform modern clinical laboratory tasks expected of an entry level MLT/CLT
- Differentiate between normal and abnormal laboratory test results and correlate laboratory findings to common disease processes and assay variability
- Communicate verbally and nonverbally with the patient, physicians, health care delivery personnel and peers in an effective, appropriate, and capable manner
- Demonstrate professional behavior through attendance, promptness, and the ability to assume appropriate responsibility
- Exhibit professional conduct that reflects practice standards that are legal, confidential, ethical and safe

Opportunities:

Graduates of the MLT program are eligible and encouraged to take a national certification exam; becoming a nationally certified MLT will greatly enhance a graduate's marketability.

MLT program graduates may work in a variety of settings. They are employed by hospitals, clinics, physician office laboratories, reference laboratories, pharmaceutical companies, research laboratories, veterinary laboratories, public health facilities, and business and industry. The A.A.S. degree in Medical Laboratory Technology is quite versatile.

Graduates of the program may choose to continue their education and earn a Baccalaureate degree in Allied Health Administration, Biology, or even Business. Some graduates choose to become a Medical Technologist, which requires a Baccalaureate degree and having two years of clinical laboratory experience or graduating from a NAACLS accredited program in Medical Technology.

Graduates may also continue in higher education earning a Bachelor's and/or Master's degree in Medical Technology, Allied Health, Education or a related field. Some graduates even pursue medical school or doctoral studies.

MODEL SCHEDULE .... 72-73 SEM. HRS.

FRESHMAN FIRST SEMESTER

CHEM	1101	GENERAL CHEMISTRY I	4
-OR-			
CHEM*	1105	CHEMICAL PRINCIPLES I	5
ENGL	1104	WRITTEN ENGLISH I	3
HLCA	1105	PHLEBOTOMY THEORY	1
HLCA	1170	HUMAN ANTATOMY & PHYSIOLOGY LECTURE	3
HLCA	1171	HUMAN ANATOMY & PHYSIOLOGY LABORATORY	1
MATH	1100	INTERMEDIATE ALGEBRA	3
-OR-			
MATH	1106	APPLIED MATH IN HEALTH CAREERS	3
-OR-			
MATH	1107	GENERAL MATH	3
-OR-			
MATH*	1112	COLLEGE ALGEBRA (OR HIGHER)	3
MLAB	1103	CLINICAL SEROLOGY	2
			17-18

FRESHMAN SECOND SEMESTER

CHEM	1102	GENERAL CHEMISTRY II	4
-OR-			
CHEM*	1106	CHEMICAL PRINCIPLES II	4
MLAB	1104	URINALYSIS AND BODY FLUIDS	2
MLAB	1105	LAB MATH & INSTRUMENTATION	3
MLAB	1160	CLINICAL MICROBIOLOGY I	4
MLAB	1180	IMMUNOHEMATOLOGY	4
			17

SUMMER

ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
MLAB	2218	HEMATOLOGY	4
			7

SOPHOMORE FIRST SEMESTER

MLAB	2219	CLINICAL MICROBIOLOGY II	4
MLAB	2220	CLINICAL BIOCHEMISTRY	4
MLAB	2221	CLINICAL PRACTICUM I	4
MLAB	2222	CLINICAL PRACTICUM II	4
			16

SOPHOMORE SECOND SEMESTER

MLAB	2223	CLINICAL PRACTICUM II	4
MLAB	2224	CLINICAL PRACTICUM IV	4
MLAB	2225	SEMINAR	1
MLAB	2995	CLINICAL CASE STUDIES	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
-OR-			
GENERAL STUDIES ELECTIVE			3
			15

MATH 1112, CHEM 1105 and 1106 are recommended courses for students intending to pursue a bachelor's degree and certification as a Medical Technologist (MT).

OFFICE MANAGEMENT AND TECHNOLOGY

Associate of Applied Science

Nancy Lawler, Associate Professor
202b Engineering Tech / (304) 367-4731
Nancy.Lawler@pierpont.edu

Program Purpose:

The work environment has undergone drastic changes in the past few years, and among these changes is the role of the administrative support person in the workplace. The A.A.S. degree program in Office Management and Technology is designed to help prepare students to meet those challenges, which require more critical thinking, organizational, and decision-making abilities than ever before.

The AAS degree in Office Management and Technology provides students with two areas of specialization from which to chooseÑthe Administrative Office Management or the Medical Office Management specialization. Each specialization provides students with the updated skills and abilities that are expected of today's office support personnel. The program is designed to prepare students to be proficient in major computer applications, such as word processing, electronic presentations, spreadsheets, database applications, and desktop publishing.

Student Learning Outcomes:

Upon successful completion of the AAS degree in Office Management and Technology, Administrative Office Management, graduates will be able to do the following:

- Effectively use technologies to perform administrative office functions
- Exhibit knowledge of business principles and processes
- Perform office administrative functions using critical thinking, management, and organizational skills
- Demonstrate effective interpersonal, verbal, and written skills for the business environment

Upon successful completion of the AAS degree in Office Management and Technology, Medical Office Management, graduates will be able to do the following:

- Effectively use technologies to perform medical administrative office functions
- Exhibit basic knowledge of business principles and processes
- Perform medical office administrative functions using critical thinking, management, and organizational skills
- Demonstrate effective interpersonal, verbal, and written skills for the business environment

Student learning outcomes will be validated by the completion of national recognized assessments. Students will complete these assessments during their final program semester.

Opportunities:

Graduates with the AAS degree in Office Management and Technology, Administrative Office Management, are qualified for positions as administrative assistants, office managers, program assistants, customer service representatives, and application specialists.

Graduates with the AAS degree in Office Management and Technology, Medical Office Management, are qualified for positions as medical administrative assistants, medical receptionists, and patient representatives.

- Administrative Office Management Specialization ....66 SEM. HRS.
- Required Courses ....57 SEM. HRS.
- Business Technology Electives ....9 SEM. HRS.

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
BUSN	1102	INTRODUCTION TO BUSINESS	3
BUSN	1141	BUSINESS MATHEMATICS	3
BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
FINC	2230	FINANCIAL LITERACY	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INFO	2220	SPREADSHEET DESIGN	3
MGMT	2214	OFFICE MANAGEMENT	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2240	ADMINISTRATIVE OFFICE PROCEDURES	3
OFAD	2241	WORKPLACE PRODUCTIVITY	3
OFAD	2995	PROFESSIONAL INTERNSHIP AND PORTFOLIO DEVELOPMENT	3
OFAD	2250	DESKTOP PUBLISHING	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3

Choose an additional 9 hours from the following:

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN	2248	BUSINESS ESSENTIALS	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	2225	FUNDAMENTALS OF WEB DESIGN	3
OFAD	2245	MICROSOFT CERTIFICATION PREPARATION	1-6
ELECTIVE (ADVISOR APPROVAL REQUIRED)			3

MODEL SCHEDULE ....66 SEM. HRS.

FRESHMAN FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
BUSN	1102	INTRODUCTION TO BUSINESS	3
BUSN	1141	BUSINESS MATH	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APPLICATION	3
			15

FRESHMAN SECOND SEMESTER

BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
ENGL	1109	TECHNICAL REPORT WRITING	3
FINC	2230	FINANCIAL LITERACY	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
BUSN TECH ELECTIVE			3
			18

SOPHOMORE FIRST SEMESTER

BUSN	2251	CORPORATE COMMUNICATIONS	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2240	ADMINISTRATIVE OFFICE PROCEDURES	3
OFAD	2250	DESKTOP PUBLISHING	3
BUSN TECH ELECTIVE			3
			18

SOPHOMORE SECOND SEMESTER

INFO	2220	SPREADSHEET DESIGN	3
MGMT	2214	OFFICE MANAGEMENT	3
OFAD	2241	WORKPLACE PRODUCTIVITY	3
OFAD	2995	PROFESSIONAL INTERNSHIP & PORTFOLIO DEVELOPMENT	3
BUSN TECH ELECTIVE			3
			15

- Medical Office Management Specialization ...67 SEM. HRS.
- Required Courses ....61 SEM. HRS.

ACCT	1100	FUNDAMENTALS OF ACCOUNTING	3
BUSN	1141	BUSINESS MATH	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
FINC	2230	FINANCIAL LITERACY	3
HLCA	1100	MEDICAL TERMINOLOGY	3
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LAB	1
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INFO	2220	SPREADSHEET DESIGN	3
MGMT	2214	OFFICE MANAGEMENT	3
OFAD	2235	MEDICAL OFFICE PROCEDURES	3
OFAD	2236	MEDICAL BILLING AND CODING	3
OFAD	2237	MEDICAL SOFTWARE APPLICATIONS	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2241	WORKPLACE PRODUCTIVITY	3
OFAD	2995	PROFESSIONAL INTERNSHIP AND PORTFOLIO DEV.	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3

Select an additional six hours from the following:

BUSN	2248	BUSINESS ESSENTIALS	3
INFO	2225	FUNDAMENTALS OF WEB DESIGN	3
OFAD	1100	MICROCOMPUTER KEYBOARDING	3
OFAD	2245	MICROSOFT CERTIFICATION PREPARATION	1-6
OFAD	2250	DESKTOP PUBLISHING	3
ADVISOR APPROVED ELECTIVE			3

MODEL SCHEDULE ....67 SEM. HRS.

FRESHMAN FIRST SEMESTER

ACCT	1100	FUNDAMENTALS OF ACCOUNTING	3
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LAB	1
ENGL	1104	WRITTEN ENGLISH I	3
HLCA	1100	MEDICAL TERMINOLOGY	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
			16

FRESHMAN SECOND SEMESTER

BUSN	1141	BUSINESS MATHEMATICS	3
ENGL	1109	TECHNICAL REPORT WRITING	3
FINC	2230	FINANCIAL LITERARY	3
OFAD	2233	DATABASE APPLICATIONS	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
-OR-			
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
PROGRAM ELECTIVE (SEE BELOW)			3
			18

SOPHOMORE FIRST SEMESTER

BUSN	2251	CORPORATE COMMUNICATIONS	3
INFO	2220	SPREADSHEET DESIGN	3
OFAD	2235	MEDICAL OFFICE PROCEDURES	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
			15

SOPHOMORE SECOND SEMESTER

MGMT	2214	OFFICE MANAGEMENT	3
OFAD	2236	MEDICAL BILLING & CODING	3
OFAD	2237	MEDICAL SOFTWARE APPLICATIONS	3
OFAD	2995	PROFESSIONAL INTERNSHIP & PORTFOLIO DEVELOPMENT	3
OFAD	2241	WORKPLACE PRODUCTIVITY	3
PROGRAM ELECTIVE (SEE BELOW)			3
			18

Select an additional six hours from the following:

BUSN	2248	BUSINESS ESSENTIALS	3
INFO	2225	FUNDAMENTALS OF WEB DESIGN	3
OFAD	1100	MICROCOMPUTER KEYBOARDING	3
OFAD	2245	MICROSOFT CERTIFICATION PREPARATION	1-6
OFAD	2250	DESKTOP PUBLISHING	3
ADVISOR APPROVED ELECTIVE			3

OFFICE TECHNOLOGY

Skill Set

Nancy Lawler, Associate Professor
202b Engineering Tech / (304) 367-4731
Nancy.Lawler@pierpont.edu

Program Purpose:

This program is designed for the individual who wants a practical foundation in office technology. It prepares the student to handle a wide variety of office and administrative tasks and emphasizes the most widely used software suites and applications.

Student Learning Outcomes:

Upon successful completion of the Office Technology Skill Set, graduates will be able to do the following:

- Demonstrate proficiency in employer expectations of basic skills in communication, computation, and human relations necessary for professionals in office technology areas
- Demonstrate proficiency in Excel, Access, Word, and desktop publishing

Opportunities:

Graduates will be able to take enhanced office skills and put them to immediate use in their current employment or may choose to use them in their search for new employment opportunities.

Many students choose to continue their education toward an Associate degree after completion of this Skill Set.

- Office Technology ....18 SEM. HRS.
- Required Courses ....9 SEM. HRS.

BUSN	2210	HUMAN RELATIONS IN BUSINESS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3

Choose three courses from the following:

INFO	2220	SPREADSHEET DESIGN	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2245	MICROSOFT CERTIFICATION PREPARATION	1-6
OFAD	2250	DESKTOP PUBLISHING	3

For Office Technology Associate Degree See Office Management & Technology

OCCUPATIONAL DEVELOPMENT

Associate of Applied Science

Rich McCormick
230 Hardway Hall / (304) 367-4692
Richard.McCormick@pieront.edu

• Building and Construction Trades	64 SEM. HRS.
• Early Childhood Practitioner	64 SEM. HRS.
• Correctional Officer	68 SEM. HRS.
• EMT Specialist	68 SEM. HRS.
• Fire Fighter	65 SEM. HRS.
• Food Service Specialist	64 SEM. HRS.

Program Purpose:

The Associate of Applied Science degree program in Occupational Development involves a formal partnership between Pierpont Community and Technical College, the U.S. Department of Labor Bureau of Apprenticeship and Training (BAT), and labor unions. Apprentices who seek the A.A.S. in Occupational Development earn part of their college credits from designated classroom training and On-the-Job training that are required in their BAT apprenticeship programs and other college credits through enrollment in courses at Pierpont Community & Technical College. These A.A.S. degrees require a total of 64-72 credits.

Student Learning Outcomes:

Upon successful completion of the A.A.S. in Occupational Development, students will be able to do the following:

- Consolidating On-the Job experiences with classroom training
- Communicate effectively as a professional
- Learn the most current trends in the industry
- Expand learning opportunities and professional development

Opportunities:

Sustainable employment and accelerated promotion opportunities in the specialized area.

PARA-EDUCATION

Associate of Arts Degree

Mrs. Kristie Latocha, Program Manager
137 Education Building / (304) 367-4919
Kristie.latocha@pierpont.edu

Program Purpose:

This program is designed to prepare highly qualified Paraprofessionals to work in the elementary and secondary classrooms. This is a 65-credit hour degree program that is the terminal Associate degree for the Para-Education program offered at Pierpont Community & Technical College. (Students may opt to begin at the Skill Set or Certificate level in pursuing this degree.) This degree can help prepare students for entry into a Teacher Education program, with little loss of credit when transferring in to the Baccalaureate program at Fairmont State University.

Student Learning Outcomes:

Upon successful completion of the One-Year Certificate Program, graduates will be able to do the following:

- Demonstrate competency in basic skills, including reading, writing, and mathematical computation, while working with children and assisting the teaching professional
- Identify developmental stages of growth and development
- Apply developmentally appropriate teaching strategies while working with special needs children
- Apply and practice appropriate classroom management techniques while teaching alongside a professional educator
- Meet all requirements to be a "highly qualified" paraprofessional, as defined by the No Child Left Behind legislation

Opportunities:

NOTE: A background check is required for employment in this field.

Graduates with this Associate of Arts degree in Para-Education will be classified as "highly qualified" classroom Paraprofessionals. Graduates will have the opportunity to work in a special education classroom in both the elementary and secondary levels. In addition, the graduate will be qualified to work alongside a professional educator in a Kindergarten setting.

Many students continue their education by working towards an Associate degree in Para-Education and ultimately towards a Bachelors degree in Elementary Education at Fairmont State University.

• Required Courses	65 SEM. HRS.

(PR: ENGLISH ACT 19+ OR SAT 450 OR COMPASS 71 OR ENGL 0097)

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
		(PR: "C" OR HIGHER IN ENGL 1104)	
		("C" REQUIRED IN ENGL 1108 OR ENGL 1109) FOR GRADUATION	
EDUC	1105	BASIC SKILLS FOR INSTRUCTIONAL SUPPORT*	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
EC	1105	DEVELOPMENT OF YOUNG CHILDREN	3
-OR-			
EDUC	2202	HUMAN GROWTH & DEVELOPMENT** (INCLUDES CLINICAL LAB)	3
EDUC	2206	INSTRUCTOR SUPPORT STRATEGIES*	3
EDUC	2995	BEHAVIOR SUPPORT STRATEGIES*	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
ENGL	2220	LITERATURE OF WESTERN WORLD I	6
-AND-			
ENGL	2221	LITERATURE OF WESTERN WORLD II	
-OR-			
ENGL	2230	INTRODUCTION TO LITERATURE I	
-AND-			
ENGL	2231	INTRODUCTION TO LITERATURE II	
FINE ARTS APPRECIATION, ART, MUSI, OR THEA 1120			3
GEOG	2210	INTRODUCTION TO GEOGRAPHY	3
HIST	1107	US HISTORY I	3
HIST	1108	US HISTORY II	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
MATH	1107	FUNDAMENTAL CONCEPTS	3
		(PR: MATH ACT 19 OR SAT 460 OR MATH 0095 OR COMPASS GREATER/EQUAL 36)	
MATH	1100	INTERMEDIATE ALGEBRA	3
POLI	1103	AMERICAN GOVERNMENT	3

SCIENTIFIC DISCOVERY COURSES FROM GENERAL EDUCATION			8
COMM	2200, 2201 OR 2202	COMMUNICATION	3

** Transfers as Education elective into BS Education*
*** Provisional admittance into teacher education*

MODEL SCHEDULE ....65 SEM. HRS.

FRESHMAN FIRST SEMESTER			
ENGL	1104	WRITTEN ENGLISH I	3
EDUC	1105***	BASIC SKILLS FOR INSTRUCTOR SUPPORT	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
MATH	1100*	INTRODUCTION TO ALGEBRA	3
POLI	1103	AMERICAN GOVERNMENT	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATION	3
			18
FRESHMAN SECOND SEMESTER			
EC	1105	DEVELOPMENT OF YOUNG CHILDREN	3
-OR-			
EDUC	2202**	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2206***	INSTRUCTOR SUPPORT STRATEGIES	3
EDUC	2995***	BEHAVIOR SUPPORT STRATEGIES	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
SCIENTIFIC DISCOVERY COURSE			4
COMM	2200, 2201 OR 2202	COMMUNICATION	3
			19
SOPHOMORE FIRST SEMESTER			
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
ENGL	2220	LITERATURE OF THE WESTERN WORLD	3
-OR-			
ENGL	2230	INTRODUCTION TO LITERATURE I	3
MATH	1107*	FUNDAMENTAL CONCEPTS	3
HIST	1107	US HISTORY I	3
SCIENTIFIC DISCOVERY COURSE			4
			16
SOPHOMORE SECOND SEMESTER			
ENGL	2221	LITERATURE OF THE WESTERN WORLD II	3
-OR-			
ENGL	2231	INTRODUCTION TO LITERATURE II	3
FINE ARTS APPRECIATION, ART, MUSI, OR THEA 1120			3
GEOG	2210	INTRODUCTION TO GEOGRAPHY	3
HIST	1108	US HISTORY II	3
			12

**MATH Pr Act 19 Or Math 0095*
***EDUC 2202 Pr Provisional Admittance Into Teacher Ed*
****EDUC Transfer As Electives Into Teacher Education*

PARAPROFESSIONAL IN EDUCATION

One Year Certificate

Kristie Latocha, Program Manager
137 Education Building / (304) 367-4919
Kristie.latocha@pierpont.edu

Program Purpose:

This program is designed to prepare qualified Paraprofessionals to work in the elementary and secondary classrooms. This is a 36-credit hour Certificate that will satisfy the West Virginia Department of Education's qualifications for a Paraprofessional position in both elementary and secondary classrooms. Students who complete this Certificate will be prepared to continue in a curriculum that ultimately provides a pathway to a teaching degree.

Student Learning Outcomes:

Upon successful completion of the One-Year Certificate Program, graduates will be able to do the following:

- Demonstrate competency in basic skills, including reading, writing, and mathematical computation, while working with children and assisting the teaching professional
- Identify developmental stages of growth and development
- Apply developmentally appropriate teaching strategies while working with special needs children
- Apply and practice appropriate classroom management techniques while teaching alongside a professional educator

Opportunities:

NOTE: A background check is required for employment in this field.

Graduates with this One-Year Certificate program will be classified as Paraprofessionals as defined by the West Virginia Department of Education. Graduates will have the opportunity to work in a special education classroom in both the elementary and secondary levels. In addition, the graduate will be qualified to work alongside a professional educator in a Kindergarten setting.

Many students continue their education by working towards an Associate degree in Para-Education and ultimately towards a Bachelors degree in Elementary Education at Fairmont State University.

MODEL SCHEDULE ....37 SEM. HRS.

FALL SEMESTER-FIRST YEAR			
ENGL•	1104	WRITTEN ENGLISH I	3
EDUC•	1105***	BASIC SKILLS FOR INSTRUCTOR SUPPORT	3
EDUC•	2200	INTRODUCTION TO EDUCATION	3
MATH	1100*	INTRODUCTION TO ALGEBRA	3
POLI	1103	AMERICAN GOVERNMENT	3
INFO•	1100	COMPUTER CONCEPTS AND APPLICATION	3
			18
SECOND SEMESTER-FIRST YEAR			
EC	1105	DEVELOPMENT OF YOUNG CHILDREN	3
-OR-			
EDUC	2202**	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2206***	INSTRUCTOR SUPPORT STRATEGIES	3
EDUC	2995***	BEHAVIOR SUPPORT STRATEGIES	3
EDUC•	2220	INTRODUCTION TO SPECIAL EDUCATION	3
SCIENTIFIC DISCOVERY COURSE			4
COMM•	2200, 2201 OR 2202	COMMUNICATION	3
			19

** MATH PR ACT 19 or MATH 0095*
*** EDUC 2202 PR Provisional Admittance into Teacher Education*
****EDUC Transfer as electives into Teacher Education*
• 18 hour skill set certificate equivalent to WVDOE qualifications for Teacher Aide IV

PARALEGAL STUDIES

Associate of Applied Science

Jeani Hawkins, Director
Lewis County Center / (304) 269-6389
Jeani.Hawkins@pierpont.edu

Program Purpose:

Paralegals are highly skilled paraprofessionals who work in a variety of settings under the direct supervision of an attorney. Job responsibilities require the Paralegal to have knowledge of the law and legal procedures, interviewing and case investigation skills, the ability to conduct legal research and prepare and manage legal documents. Interpersonal communication and office management skills are also important for success. The Associate of Applied Science in Paralegal Studies is designed to build professional competencies in each of these areas.

Student Learning Outcomes:

Upon successful completion of the A.A.S. in Paralegal Studies, graduates will be able to do the following:

- Apply knowledge of local, state, and federal law and legal procedures in a variety of situations, both civil and criminal
- Apply concepts of interviewing and case investigation skills in a variety of situations to establish baseline information for cases being handles through the law practice
- Conduct independent legal research using primary and secondary documents, both physical and from on-line databases
- Prepare and manage legal documents for multiple applications, maintaining confidentiality, security, and ethical issues
- Practice and apply interpersonal communication and office management skills contributing to the successful operation of the legal office

Opportunities:

Graduates of the Paralegal program can enter the field into a variety of paralegal and related jobs, including the following job titles: Paralegal (private and public); Director and or Coordinator for law office; Preparer of legal documents (including briefs, pleadings, appeals, wills); Contract and Estate Closing Officer; Real and Personal Property Appraiser (may require some additional training); Assistant Real Estate Closing Processor; Legal Investigator; Data Collection/ Analyzer; Legal Writing Assistant (statutes, decisions and legal articles, codes and documents); Private investigator; and Legal Aid Assistant.

- Associate Degree ....64 SEM. HRS.
- General Education Core ....28 SEM. HRS.

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II*	3
ENGL	1109	TECHNICAL REPORT WRITING ("C" OR BETTER REQUIRED)	3
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
MATH	1107	FUNDAMENTAL CONCEPTS IN MATHEMATICS	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3

Social Science Electives (Select 2 Courses)

POLI	1103	AMERICAN GOVERNMENT	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3

Natural Science Electives (Select 1 Course)

SCIE	1000	HUMAN BIOLOGY	4
SCIE	1010	EARTH AND SKY	4
SCIE	1103	SCIENCE THAT MATTERS	4

- Required Courses ....27 SEM. HRS.

PARA	1101	INTRODUCTION TO PARALEGAL STUDIES	3
PARA	1102	GENERAL LAW I	3
PARA	1103	GENERAL LAW II*	3
PARA	2201	LEGAL RESEARCH AND WRITING I	3
PARA	2202	LEGAL RESEARCH AND WRITING II*	3
PARA	2203	COMPUTER APPL. FOR LEGAL PROFESSIONALS*	3
PARA	2204	CIVIL LITIGATION AND PROCEDURE*	3
PARA	2995	PARALEGAL PROFESSIONAL PRACTICUM	3
FINC	2260	REAL ESTATE PRINCIPLES	3

- Elective Courses+ ....9 SEM. HRS.

CRJU	2202	PRINCIPLES OF CRIMINAL LAW	3
CRJU	2240	ADJUDICATION PROCESS*	3
MGMT	2214	OFFICE MANAGEMENT	3
PARA	2210	DOMESTIC RELATIONS LAW	3
PARA	2211	ADMINISTRATIVE ADVOCACY	3
PARA	2212	TORTS	3
PARA	2213	PROPERTY AND PROBATE	3
PARA	2214	BANKRUPTCY LAW	3

** Requires Prerequisite or Permission*
+ Elective Courses must be approved by an Academic Advisor

PHLEBOTOMY

Skill Set

Dr. Rosemarie Romesburg, Program Director
Dean, School of Health Careers
211 Education Building / (304) 367-4284
Rosemarie.Romesburg@pierpont.edu

Program Purpose:

The Phlebotomy Skill Set program provides students with the opportunity to attain the skills and education needed to work as phlebotomists.

Program Admission:

To be considered for admission onto the Phlebotomy Skills Set program, applicants must:

1) Meet the general admission requirements of Pierpont Community and Technical College.
2) Have a high school GPA and, if applicable, a college GPA of 2.0 or better.
3) Meet the prerequisites for MATH 1106. These include successful completion of the appropriate academic skills math class, OR a score of 19 or better on the Math section of the ACT (or SAT equivalent) OR a score of 36 on the Algebra COMPASS test.
4) All applicants are expected to meet nonacademic criteria (essential functions) in order to participate in the Phlebotomy Skills Set program and are accepted according to date of application.

Students must complete criminal background checks, submit health documentation, and meet essential functions of the program. The list of essential functions can be obtained from the School of Health Careers office.

Student Learning Outcomes:

Upon successful completion of the Phlebotomy Skill Set Program, graduates will be able to do the following:

- Meet the academic qualifications to sit for the exam to become a certified phlebotomist
- Communicate verbally and non-verbally with patients, health care personnel and others in a professional manner, respecting the confidentiality of patient results
- Exhibit conduct that reflects professional standards that are legal, ethical and safe

Opportunities:

Phlebotomists are employed in a variety of settings, including hospitals, clinics and industry. Credits earned through the Phlebotomy Skill Set may be applied to the Laboratory Assistant certificate program or another Associate degree program in the Pierpont C&TC School of Health careers. Some credits may be transferred to a baccalaureate degree program. According to a recent national wage and vacancy survey conducted by The American Society for Clinical Pathology (ASCP), the average annual salary for phlebotomists is $25,000-30,000.

MODEL SCHEDULE ....12 SEM. HRS.

FIRST SEMESTER

HLCA	1100	MEDICAL TERMINOLOGY	3
HLCA	1101	INTRODUCTION TO HEALTH CAREERS PROGRAMS	1
HLCA	1105	PHLEBOTOMY THEORY	1
HLCA	1170	ANATOMY AND PHYSIOLOGY LECTURE	3
HLCA	2205	PHLEBOTOMY PRACTICUM	1
LABA	1106	BASIC CLINICAL & LAB SKILLS THEORY	2
LABA	1107	BASIC CLINICAL & LAB SKILLS LAB	1
			12

Students seeking admission into an Associate degree program in the School of Health Careers are encouraged to complete HLCA 1171, "Human Anatomy and Physiology Laboratory", during the first semester of the program.

PHYSICAL THERAPIST ASSISTANT

Associate of Applied Science

Beverly Born, Program Coordinator
310A Caperton Center / (304) 367-4042
Beverly.Born@pierpont.edu

Program Purpose:

The Physical Therapist Assistant program is designed to educate and prepare students to work under the supervision of a physical therapist to provide therapeutic treatments to patients who have lost functional ability because of illness or injury. The program prepares students to sit for a state licensing exam and graduates must pass this exam in order to work as a Physical Therapist Assistant.

Program Admission:

Admission to the PTA program is competitive. A numerical score sheet is used to select 20 students for each class. Points are assigned for GPA, ACT scores, grades in algebra, physics, and certain other college courses. The students with the highest scores are chosen. To be considered for admission, applicants must:

1) Complete a Pierpont Community & Technical College application.
2) Have at least a 2.0 grade point average.
3) Have a score of 18 or higher on the English portion of the ACT; a CREDIT in English 0097; OR a C or better in English 1104.
4) Have grades of C or better in physics and algebra taken in high school or college.
5) Complete a total of 10 volunteer/observation hours divided between at least 2 physical therapy practice settings.
6) Complete and submit a separate PTA program application, official high school and college transcripts, official ACT or SAT scores, and 2 volunteer/observation forms to the Director of Admissions by January 31 for the next entering class.

Students must have a "C" or better in every course that is part of the curriculum and at least a 75% test average in PTA courses to continue in the program.

Student Learning Outcomes:

Upon successful completion of the PTA program, graduates will be able to do the following:

- Implement a plan of care established by the physical therapist
- Demonstrate the cognitive knowledge basic to physical therapy intervention
- Demonstrate competence in data collection through tests, measurements, and observations
- Use verbal, non-verbal, and written communication in an effective and appropriate manner
- Exhibit conduct that reflects practice standards that are legal, ethical, and safe
- Exhibit professional behavior through attendance, promptness, and the ability to assume appropriate responsibility

Opportunities:

Career opportunities for licensed PTAs can be found in hospitals, clinics, rehabilitation centers, nursing care facilities, offices of physical therapists in private practice, and in home health care.

According to the US Department of Labor, employment of PTAs is expected to grow much faster than average for the next several years, and the average annual salary is over $40,000.

Many PTA graduates continue their education in a baccalaureate field such as Allied Health Administration or Exercise Science. PTAs who wish to become physical therapists must first earn a Bachelor's degree in a field that satisfies the pre-requisites for the Doctor of Physical Therapy program they wish to attend.

- Physical Therapist Assistant ....70 SEM. HRS.

Required Courses:

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
HLCA	1100	MEDICAL TERMINOLOGY	3
HLCA	1102	PATHOPHYSIOLOGY OF DISEASE	3
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LAB	1
INFO	1100	COMPUTER CONCEPTS	3
PHTA	1100	INTRODUCTION TO PHYSICAL THERAPY	2
PHTA	1101	PATIENT AND PROFESSIONAL RELATIONSHIPS	2
PHTA	1102	INTRODUCTION TO PATIENT CARE	3
PHTA	1103	TECHNIQUES I	3
PHTA	1104	TECHNIQUES II	2
PHTA	1105	KINESIOLOGY	3
PHTA	1106	CLINICAL ED. I	1
PHTA	1108	CLINICAL ED. II	2
PHTA	2200	PHYSICAL THERAPY ASSIST. TECHNIQUES III	4
PHTA	2201	PHYSICAL THERAPY ASSIST. TECHNIQUES IV	4
PHTA	2202	PHYSICAL THERAPY ASSIST. TECHNIQUES V	4
PHTA	2204	CLINICAL ED. III	3
PHTA	2206	CLINICAL EDUCATION IV	5
PHTA	2207	CLINICAL EDUCATION V	5
PHTA	2995	CAPSTONE SEMINAR	2
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3

MODEL SCHEDULE ....70 SEM. HRS.

FRESHMAN FIRST SEMESTER

HLCA	1100	MEDICAL TERMINOLOGY	3
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LAB	1
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS	3
PHTA	1100	INTRODUCTION TO PHYSICAL THERAPY	2
PSYC	1101	INTRODUCTION TO PSYCHOLOGY I	3
			18

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
HLCA	1102	PATHOPHYSIOLOGY OF DISEASE	3
PHTA	1101	PATIENT AND PROFESSIONAL RELATIONSHIPS	2
PHTA	1102	INTRODUCTION TO PATIENT CARE	3
PHTA	1103	TECHNIQUES I	3
PHTA	1105	KINESIOLOGY	3
PHTA	1106	CLINICAL ED. I	1
			18

SUMMER FIRST TERM

PHTA	1104	TECHNIQUES II	2
PHTA	1108	CLINICAL ED. II	2
			4

SOPHOMORE FIRST SEMESTER

PHTA	2200	PHYSICAL THERAPY ASSIST. TECHNIQUES III	4
PHTA	2201	PHYSICAL THERAPY ASSIST. TECHNIQUES IV	4
PHTA	2202	PHYSICAL THERAPY ASSIST. TECHNIQUES V	4
PHTA	2204	CLINICAL ED. III	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
			18

SOPHOMORE SECOND SEMESTER

PHTA	2206	CLINICAL EDUCATION IV	5
PHTA	2207	CLINICAL EDUCATION V	5
PHTA	2995	CAPSTONE SEMINAR	2
			12

POWER PLANT TECHNOLOGY

One Year Certificate

James Doak, Coordinator
208 Turley Center / (304) 367-4911
James.Doak@pierpont.edu

Program Purpose:

This one-year certificate program has been developed in partnership with Allegheny Energy to help assure the availability of a qualified workforce for entry-level operator positions.

This program is designed to prepare students for employment as power plant operators. Excellent employment opportunities exist in West Virginia and throughout the United States for students who complete this program. (Students are not obligated to work for Allegheny Energy upon completion of this certificate program, and are free to obtain employment with any company.)

Typical starting wages at area power generation stations are about $15 per hour, and a power station operator can earn approximately $35,000 to $40,000 per year after six months of initial employment. This job offers stable employment and significant opportunities for advancement.

Classes are held in a cohort format, with students progressing together through the program. Class sizes are limited to match the predicted employment needs of regional power stations, thus assuring a high probability of employment. A 10-week paid summer internship at an Allegheny Energy power station will provide students with field experience.

Students will enroll at Pierpont Community & Technical College. Students who do not meet the minimum academic requirements for Math and English will be required to enroll in developmental coursework.

Student Learning Outcomes:

Upon successful completion of the Power Plant Technology program, graduates will be able to do the following:

- Successfully complete the Edison Electric Institute POSS and MASS battery of tests
- Demonstrate theoretical and practical knowledge of power plant operations

- Power Plant Technology ....36 SEM. HRS.

Required Courses:

BITS	1151	TECHNICAL STUDIES — MATH	3
BITS	1156	TECHNICAL STUDIES — COMMUNICATION	3
BITS	1160	POWER PLANT FUNDAMENTALS	3
BITS	1162	POWER PLANT WATER SYSTEMS	3
BITS	1165	BASIC DC CIRCUITS	3
BITS	1166	BASIC AC CIRCUITS	3
BITS	1168	TECHNICAL PHYSICAL SCIENCE	3
BITS	1172	POWER PLANT INSTRUMENTATION AND CONTROL	3
BITS	1174	ADVANCED POWER PLANT STEAM SYSTEMS	3
BITS	1175	POWER PLANT INTERNSHIP (CAPSTONE)	3
BITS	1176	BUSINESS AND ENVIRONMENTAL ETHICS	3
BITS	1179	POWER PLANT SIMULATION	3

RESPIRATORY CARE

Associate of Applied Science

Michael Walls, Program Coordinator
130 Colebank / (304) 367-4874
Michael.Walls@pierpont.edu

Program Purpose:

The Respiratory Care field will experience an increased demand in the near future. As a result of substantial growth in the middle-aged and elderly population, the rates of cardiopulmonary disease will increase, and respiratory therapists will be needed for case management, disease prevention, and emergency care of pulmonary disorders. The A.A.S. Respiratory Care Degree is designed to prepare competent Respiratory Therapists by providing an appropriate sequence of classroom, laboratory, and clinical activities through an 18-month program.

Student Learning Outcomes:

Upon successful completion of the A.A.S. degree in Respiratory Care, students will be able to do the following:

- Develop therapeutic goals for respiratory therapy appropriate for patient care
- Perform patient care in a clinical setting in accordance with AARC guidelines for patient care (GPC's)
- Meet or exceed the minimum expectations of the NBRC certification examinations for a Registered Respiratory Therapist
- Demonstrate professional behavior in the field of respiratory care

Opportunities:

Graduates of the program will be eligible to take the Certified Respiratory Therapist (CRT) and Registered Respiratory Therapies (RRT) credentialing exam offered by the National Board for Respiratory Care (NBRC). Upon successful attainment of the CRT credential, the graduate is eligible to be licensed by the West Virginia Board of Respiratory Care (WVBORC).

Employment of respiratory therapists is expected to grow 19 percent from 2006 to 2016, faster than the average for all occupations. Average annual earnings of wage-and-salary respiratory therapists in May 2006 ranged from $40,000-56,000, according to the Bureau of Labor Statistics.

Required Courses:

- Respiratory Care..69 SEM. HRS.

CHEM	1101	GENERAL CHEMISTRY	4
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LAB	1
MATH	1106	APPLIED MATH IN HEALTH CAREERS	3
RESP	1101	INTRODUCTION TO RESPIRATORY CARE	3
RESP	1103	RESPIRATORY CARE PHARMACOLOGY	3
RESP	1105	CLINICAL PRACTICE I	4
RESP	1107	MECHANICAL VENTILATION I	3
RESP	1109	RESPIRATORY PATHOPHYSIOLOGY	3
RESP	1110	CLINICAL PRACTICE II	4
RESP	1112	NEONATAL/PEDIATRIC RESPIRATORY CARE	3
RESP	1114	MECHANICAL VENTILATION II	3
RESP	1115	CLINICAL PRACTICE III	4
RESP	1200	RESPIRATORY CARE CAPSTONE	3
RESP	1202	RESPIRATORY CARE EXAM PREPARATION	2
RESP	1204	RESPIRATORY CARE INTERNSHIP	2
RESP	1205	NEONATAL/PEDIATRIC CLINICAL PRACTICE	4
RESP	1210	INTENSIVE RESPIRATORY CARE	4
RESP	1215	CLINICAL PRACTICE IV	4

MODEL SCHEDULE ....69 SEMS. HRS.

SUMMER SEMESTER 1			
HLCA	1170	HUMAN ANATOMY AND PHYSIOLOGY	3
HLCA	1171	HUMAN ANATOMY AND PHYSIOLOGY LAB	1
MATH	1106	APPLIED MATH IN HEALTH CAREERS	3
			7
SUMMER SEMESTER 2			
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
CHEM	1101	CHEMISTRY	4
			7
FRESHMAN FIRST SEMESTER			
ENGL	1104	WRITTEN ENGLISH I	3
RESP	1101	INTRODUCTION TO RESPIRATORYCARE	3
RESP	1103	RESPIRATORY PHARMACOLOGY	3
RESP	1105	CLINICAL PRACTICE I	4
RESP	1107	MECHANICAL VENTILATION I	3
			16
FRESHMAN SECOND SEMESTER			
RESP	1109	RESPIRATORY PATHOPHYSIOLOGY	3
RESP	1110	CLINICAL PRACTICE II	4
RESP	1112	NEONATAL/PEDIATRIC RESPIRATORY CARE	3
RESP	1114	MECHANICAL VENTILATION II	3
ENGL	1109	TECHNICAL REPORT WRITING("C" REQUIRED)	3
			16
SUMMER SEMESTER 1			
RESP	1205	NEONATAL/PEDIATRIC CLINICAL PRACTICE	4
			4
SUMMER SEMESTER 2			
RESP	1210	INTENSIVE RESPIRATORY CARE	4
RESP	1115	CLINICAL PRACTICE III	4
			8
SOPHOMORE FIRST SEMESTER			
RESP	1215	CLINICAL PRACTICE IV	4
RESP	1204	RESPIRATORY CARE INTERNSHIP	2
RESP	2995	RESPIRATORY CARE CAPSTONE(ON-LINE)	3
RESP	1202	RESPIRATORY CARE EXAM (ON-LINE)	2
			12

SAFETY ENGINEERING TECHNOLOGY

(Associate of Science)

(See Fairmont State University, Department of Technology)

TECHNICAL STUDIES

Associate of Applied Science

Richard McCormick
230 Hardway Hall / (304) 367-4692
Richard.McCormick@pierpont.edu

Program Purpose:

The Associate of Applied Science degree program in Technical Studies is designed for employees participating in approved education and training programs sponsored by business, industry, labor, or government to earn a two-year degree. Existing eligible education and training programs or custom designed programs determine a specific course of study for each program. Students who seek the Technical Studies degree earn part of their college credits from designated classroom training programs and On-the-Job training. Additional credits are earned through courses at Pierpont Community & Technical College. The Technical Studies degree requires a total of 64-72 credits.

Student Learning Outcomes:

Upon successful completion of the A.A.S. in Technical Studies, students will be able to do the following:

- Consolidate on-the job experiences with classroom training
- Communicate effectively as a professional
- Demonstrate a strong work ethic
- Discuss current trends in the industry
- Take advantage of expanded learning opportunities and professional development

Each program track of the Technical Studies Degree has its own academic and performance expectations. Please consult the program advisor for additional information.

Opportunities:

Graduates of Technical Studies programs will be able to obtain suitable employment and accelerated promotion opportunities in their specialized area.

For additional information on the availability of Technical Studies Degrees and specific requirements, contact the Community and Technical College Office in 230 Hardway Hall.

• Highway Technician	72 sem. hrs.
• Information Systems (WV ExcITe)	
• Radiologic Technology	64 sem. hrs.
• Water and Wastewater Treatment	71 sem. hrs.
• Wood Production Technology	64 sem. hrs.

For additional information on the partnership degrees listed below, contact North Central Tech Prep in Room 230 Hardway Hall at (304)367-4094, your Local Technical Center, or High School Guidance Counselor.

• Agriculture & Agribusiness	64 sem. hrs.
• Air Conditioning/Refrigeration	64 sem. hrs.
• Automotive Technology	64 sem. hrs.
• Collision Repair Technology	64 sem. hrs.
• Diesel	64 sem. hrs.
• Electrical Technology	64 sem. hrs.
• General Building Construction	64 sem. hrs.
• Machine Tool Technology	64 sem. hrs.
• Masonry	64 sem. hrs.
• Metals Technology	64 sem. hrs.
• Timber	64 sem. hrs.
• Welding Technology	64 sem. hrs.

The college in response to Business and Industry needs rapidly develops programs and training. One such program is Mechatronics, a multifaceted program which consists of training in mechanical, electrical, electronic and computer control systems. Contact the college for additional information.

RADIOLOGIC TECHNOLOGY

Associate of Applied Science, Technical Studies

Dr. Rosemarie Romesburg
Dean, School of Health Careers
211 Education Building / (304) 367-4284
rromesburg@pierpont.edu

The A.A.S. degree in Pierpont Community & Technical College has an official partnership with the Radiologic Technology programs of United Hospital Center, Clarksburg, WV, and West Virginia University Hospital, Morgantown, WV.

All applicants for this Radiologic Technology degree program will apply to Pierpont Community & Technical College and select the hospital program for which they are applying; those applications will be forwarded to the specific hospital for evaluation. All supporting materials shall also be sent to Pierpont C&TC, and those supporting materials will then be made available to the hospital-based faculty in order to assist those faculty in their admissions deliberations.

For additional information regarding student learning outcomes and opportunities upon graduation, students should contact the hospital-based program faculty at West Virginia University Hospitals (www.wvuhradtech.com) or United Hospital Center at (www.uhcwv.org.)

VETERINARY TECHNOLOGY

Associate of Applied Science

Anna Romano, RVT/Program Coordinator
116 Hunt-Haught Hall / (304) 367-4763
Anna.Romano@pierpont.edu

Program Purpose:

The A.A.S. Veterinary Technology Degree is designed to prepare students for careers in the dynamic field of veterinary medicine as Veterinary Technicians, who work with veterinarians in all aspects of animal health, disease, and welfare.

This program prepares students to become vital and contributing members of a veterinary health care team who are fully capable of performing a wide variety of professional roles within the veterinary medical setting. (This is not, however, a pre-veterinary program of study.)

This A.A.S. degree program is accredited by the American Veterinary Medical Association (AVMA).

Program Admission:

This program has a competitive admissions process and requires a separate program application. All applications must be received by the Office of Admissions by March 1 for the following academic year. Applications will only be considered after the deadline if space is available. Applicants who are not admitted to the program must reapply if they wish to be considered for acceptance the following academic year.

To be considered for admission, applicants must have:

- A minimum grade point average of 2.0
- A score of 19 or better in the Math portion of the ACT (or SAT equivalent) or a 36 or better in the COMPASS algebra test, or have successfully completed Math 0095
- A score of 18 or better in the English portion of the ACT

(or SAT equivalent) or a 71 or better in the COMPASS writing test, or have successfully completed ENGL 0097

- Successfully completed high school algebra and chemistry (or college alternative)

Experience in a veterinary hospital is highly recommended

Program Requirements:

To remain in the Veterinary Technology program, students must earn a "C" or better in every VETT course and maintain an overall GPA of 2.0.

Student Learning Outcomes:

Upon successful completion of the A.A.S. degree in Veterinary Technology, graduates will be able to do the following:

- Apply theoretical and practical knowledge to sit for the Veterinary Technician National Exam (VTNE)
- Demonstrate competency in the entry-level skills needed to support companion animal medicine, equine and food animal medicine, biomedical research, and other veterinary technology disciplines
- Exhibit conduct that reflects practice standards that are professional, ethical, and legal
- Demonstrate professional behavior through attendance, promptness, and the ability to assume appropriate responsibility

Opportunities:

Graduates of the program who become certified can pursue several career opportunities in Veterinary Technology in a variety of settings, including small animal practice, herd health management, biomedical research, pharmaceutical sales, government agencies, emergency medicine, education, and zoos.

MODEL SCHEDULE ....76 SEM. HRS.

FRESHMAN FIRST SEMESTER			
ENGL	1104	WRITTEN ENGLISH I	3
HLCA	1100	MEDICAL TERMINOLOGY	3
VETT	1113	INTRODUCTION TO VETERINARY TECHNOLOGY	2
VETT	1115	CLINICAL TECHNIQUES	3
VETT	1130	ANIMAL PARASITOLOGY	3
VETT	1170	ANATOMY & PHYSIOLOGY	4
			18
FRESHMAN SECOND SEMESTER			
BIOL	2205	TECHNICAL MICROBIOLOGY	4
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
VETT	1116	CLINICAL PROCEDURES	5
VETT	1122	VETERINARY PHARMACOLOGY	3
VETT	2210	LABORATORY ANIMAL TECHNIQUES I	3
			18
SUMMER FIRST TERM			
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
VETT	2271	PRECEPTORSHIP I	4
			7
SOPHOMORE FIRST SEMESTER			
CHEM	1101	GENERAL CHEMISTRY	4
VETT	2212	HEALTH MANAGEMENT OF FARM ANIMALS	4
VETT	2217	CLINICAL LABORATORY PROCEDURES	4
VETT	2222	DISEASES OF DOMESTIC ANIMALS	4
GENERAL STUDIES ELECTIVE			3
			19
SOPHOMORE SECOND SEMESTER			
VETT	2995	SEMINAR	2
VETT	2272	PRECEPTORSHIP II	12
			14

CAREER DEVELOPMENT AND WORKFORCE TRAINING PROGRAMS

Non-academic-credit Certificate Programs

Paul Schreffler, Associate Vice President
Economic Development and Workforce Education
Center for Workforce Education
320 Adams Street, Suite G01, Fairmont / (304) 367-4920
paul.schreffler@pierpont.edu
www.pierpont.edu/ce

In today's workplace, employment or advancement often requires specialized training or professional certification. Pierpont Community & Technical College offers a wide array of non-academic-credit programs for those seeking technical skills and job training.

Students may be required to meet minimum competency levels for entrance into career programs.

INSTRUCTOR-LED, CLASSROOM-FORMAT TRAINING PROGRAMS

FLOORHAND TRAINING FOR OIL AND GAS DRILLING

Pierpont Community & Technical College, working closely with the oil and gas industry, operates the Appalachian Basin Oil and Gas Training Center to help people learn the skills they need to gain employment and work safely in this expanding industry.

This training program, approved by the International Association of Drilling Contractors (IADC), will prepare students for the position of Floorhand on drilling rigs. Commonly referred to as a "Roughneck", this job offers higher than average pay and benefits to those who want to begin a career in this nationwide industry. The oil fields are seeking quality workers with a strong work ethic to meet the industry's growing demand. General requirements for these jobs include:

- A strong work ethic and the ability to work as a team member
- An ability to do heavy labor in all weather conditions
- Meet minimum age restrictions
- Pass regularly administered drug testing
- Possess a valid social security card; some require CDL driver's license and/or a valid driver's license

Located in Buckhannon, WV, this non-credit skill set certificate program is 40 hours in length, and is completed in a one week, Monday through Friday, all-day format. All candidates must be drug free, and must pass a drug screening the morning of the first day of training.

Knowledge of safe working practices in the oil and gas industry is a major focus of this program. Students will achieve

CPR/First Aid certification and RigPass certification. Hands-on training on an actual drilling rig simulator is an integral part of the training program.

APPRENTICE UNDERGROUND MINER PROGRAM

A new miner orientation program is offered at various locations throughout our 13-county service region. The course is designed to prepare the trainees for the WV Office of Miner's Health and Safety's certification exam, which is required to become an entry-level underground coal miner. Trainees will be exposed to a general orientation in mining, mining health and safety, mine gases and ventilation, roof and ribs, haulage, emergency response, accident prevention and hazard recognition, and miner and operator rights and responsibilities. Participants must be 18 years of age or older. Class size is limited to 25 persons and attendance is mandatory as required by state law.

CERTIFIED PROFESSIONAL CODING PROGRAM

Through the American Academy of Professional Coders (AAPC), we offer the AAPC's Professional Medical Coding Curriculum (PMCC) for the Certified Professional Coder (CPC) certification training and CPC certification exam. A CPC may obtain employment in a variety of settings, but most generally in a type of physician practice setting. This training program is aimed at providing the most up-to-date information relating to Current Procedural Terminology (CPT), HFCA Common Procedural Coding System (HCPCS) and Internal Classification of Diseases, 9th revision, Clinical Modification (ICD-9-CM) procedural and diagnostic coding.

This modular program is an 80-hour non-academic credit training course. The material is designed to prepare individuals to take the national certification exam to become a CPC.

Interested participants must have a background in Medical Terminology either through work or educational experience. The general requirement for taking the national exam is two years coding experience. One year is waived by participating in this program of study. Upon completion of the program, the student is eligible to take the exam. Upon achieving the requisite score on the exam as determined by AAPC, and fulfilling the necessary requirements, the student will earn the title Certified Procedural Coder (CPC) or Certified Procedural Coder Apprentice (CPC-A). A CPC-A certificate is awarded to each student who successfully passes the CPC exam but lacks the required experience in the coding field. A CPC-A can become a CPC if, after one year of work experience in the coding field, the employer submits to AAPC verification of said employment.

FEDERAL ACQUISITION MANAGEMENT PROGRAM

This program is presented in partnership with the WV Small Business Development Center and the US Small Business Administration. The program is delivered through a series of seminars that focus on topics and issues related to the acquisition and management of federal contracts.

This certificate program consists of 96 total classroom hours presented in six two-day segments of 16 hours each. Sessions include lecture, experiential exercises, research, and conclude with a final exam. To attain a certificate, students must attend and complete the requirements of all six segments.

The facilitator for this program is an employee of the Office of Government Contracting, U. S. Small Business Administration. In this capacity, the instructor is responsible for providing support, training and advocacy to small businesses doing business with the federal government, and also provides oversight for federal contracting offices and prime federal contractors to ensure that small businesses have an equitable opportunity to participate in federal prime acquisitions and subcontracts.

Participants gain a broad understanding of the federal acquisition regulations and processes. This detailed knowledge is invaluable for those companies already performing federal contracts or those who want to do so. The structure of each segment includes both lecture and application of the material through a series of experiential team exercises. Course content includes an overview of the federal acquisition regulations (FAR), planning for strategic growth, marketing and winning federal contracts, negotiated procurement, financial requirements, and contract management.

PROJECT MANAGEMENT ESSENTIALS

Structured around eight hours of training in one day, this instructor-led course presents "real-world" project management techniques that can be implemented immediately on all projects. Attendees of the PM Essentials course are exposed to the basic tenets of project management and standard PM terminology to increase their credibility with their managers, their peers, and their subordinates. In addition, attendees will learn of practical techniques to avoid the most common pitfalls in managing projects. Our PMP® certified instructor will present the course materials, lead the attendees through group exercises, and help attendees determine how to gain support for their projects each step of the way and ensure they get proper credit when projects are successfully completed.

This course is for people who are assigned to project teams, or who are placed in project management roles at their companies. As such, it is intended for anyone in today's workplace where all too many people find themselves assigned to, or even placed in charge of, high-profile projects, worth thousands or even millions of dollars to their organizations–with no tools or direction, and very little structured training.

The PM Essentials course is designed for people with little or no formal project management training, for those who are looking to get projects back on track and seek easy-to-use tools that can make an immediate impact, or for those who are too busy to learn the fundamentals of project management. It is NOT intended for people who are already familiar with the international standards for project management, nor will it be sufficient for people who require more in-depth, specialized training to become CAPM® or PMP® certified.

PROJECT MANAGEMENT FUNDAMENTALS

This 3-day instructor-led course presents up-to-date, repeatable project management tools that attendees can implement throughout their departments and organizations to improve processes, streamline productivity, and drastically reduce costs. From defining scope and gathering requirements, to planning and budgeting, to utilizing scheduling and control tools, attendees return to work with the basic project management help they need to get their projects–and their careers–off the ground and running. Our PMP® certified instructor's extensive experience, spanning multiple industries in the private and public sector, will help them learn to:

- Set practical goals for their projects–goals they can achieve regardless of "hitches"
- Develop a project plan–and get that plan implemented
- Stay on top of schedules, workloads and "people problems"

- Save time and energy by "building in flexibility" rather than "putting out fires"
- Utilize basic project management skills to cope with budget and time constraints
- Delegate in a fair and practical way within the project team, and
- Build their credibility with top management

This course is for individuals from nontechnical fields who are new to project management, as well as anyone looking for formal basic project management training, or those who want to gain exposure to the overall framework and terms contained in the Project Management Institute's international standard publication A Guide to the Project Management Body of Knowledge (PMBOK® Guide) Third Edition. It is an essential foundational course for people who require more specialized Project Management training, and those who want to become CAPM® or PMP® certified.

ONLINE WORKFORCE TRAINING PROGRAMS

These self-paced programs are designed with a team of professionals to provide the most effective web-based learning experience possible. Programs can be completed generally in less than 6 months. Instructors are actively involved in the students' online learning experience by responding to any questions or concerns as well as encouraging and motivating students to succeed.Eachprogram includes everything needed to succeed (books, lessons, quizzes and assignments). Grades are a combination of computer-graded tests and the instructor's evaluation of the students' work. Students love the quality as well as the convenience of anytime, anywhere learning! Hours shown are typical completion times, although access is granted to the program for a six-month duration, unless otherwise indicated.

Potential students may find answers to technical questions prior to enrolling by calling: (304) 367-4920.

For detailed course information, outlines and demos please visit: www.pierpont.edu/ce

HEALTHCARE AND FITNESS PROGRAMS

Medical Terminology (60 Hours)

The Medical Terminology online program introduces elements of medical terminology, such as the etymology of words used to describe the human body. Students learn to apply proper terminology and spelling for major pathological conditions. Textbook is included!

Medical Transcription (640 Hours)

This medical transcription training program is 100% completed in a web-based delivery format. The program, designed primarily as a self-paced on-line learning structure, is mentored by a qualified Pierpont C&TC faculty member. The student can take up to one year to complete the training, with 500 to 800 hours of time typically spent to complete the course. The curriculum contains exercises and tests in grammar, typing, and all areas of terminology – including anatomy and physiology, medical work building, abbreviations, Latin plurals, medical specialties and more. The training also contains an extensive audio library with more than 700 actual medical dictations for student practice. For individuals ready for the challenges of self-paced, on-line learning, this program is one of the most affordable and practical training options available online in medical transcription and can have students ready for gainful employment within nine to twelve months.

Administrative Dental Assistant (150 Hours)

This online program will teach you the essential administrative tasks for managing the business aspects of a dental practice. Textbooks included.

Advanced Personal Fitness Trainer (400 Hours)

This interactive, comprehensive Web-based program includes the basic Personal Fitness Training program (also offered separately), along with additional material on nutritional management, resistance biomechanics, and functional flexibility. Students will also have the opportunity to take an optional field internship elective course. Materials included.

Certified National Pharmaceutical Representative (120 Hours)

Students will automatically become a member of NAPSR and receive eligibility to sit for the CNPR national certification exam at no additional cost.

Clinical Dental Assistant (240 hours)

This nationally recognized online program prepars students to become Certified Dental Assistants and to complete the radiology and infection control portions of the Dental Assisting National Board (DANB). This program features in-depth information about every aspect of professional Dental Assisting, and it includes invaluable real-world perspectives from experienced Certified Dental Assistants.

Fitness Business Management (260 Hours)

This is an innovative program designed to teach students how to manage a Personal Training Program and/or a Health-Fitness Department as a Strategic Business Unit (S.B.U.) in both commercial and non-commercial based health and fitness facilities.

HIPAA Compliance (4 user licenses) (12 Hours)

The HIPAA Compliance online program provides doctors and their staff with a simple route to compliance.

National Certified Pharmaceutical Representative (120 hours)

This nationally recognized Pharmaceutical Sales Representative online training course (CNPR) and program was developed in response to a rising need for entry-level certified pharmaceutical sales representatives. The program is designed for individuals who want to gain entry into the pharmaceutical industry but who lack the required pharmacology and medical education.

Nutrition for Optimal Health, Wellness, and Sport (200 Hours)

Learn to develop nutritional programs that are individually formulated for clients, patients, or personal use.

Personal Fitness Trainer (250 Hours)

Content and curriculum within each section of this unique program are designed to present the student with the knowledge, skills, and abilities to implement a unique medically-based fitness model for their future or current clients. Students will also have the opportunity to take an optional field internship elective course. Materials included.

Personal Training and Group Exercise Training for Older Adults (200 hours)

This program is designed to establish a national standard to ensure the development of safe and effective exercise programs for older adults.

Pharmacy Technician (240 Hours)

This online program will teach the skills needed to gain employment as Pharmacy Technician in either the hospital or retail setting. All materials included.

Women's Exercise Training and Wellness (200 Hours)

This exciting new program is designed to ensure the development of safe and effective exercise programs for women by personal trainers, allied health/medical and fitness professionals, and the general public.

MEDIA, DESIGN & COMPUTER TECHNOLOGY

Fine Arts Certificate (420 Hours)

Build a foundation in drawing and painting, deepening your knowledge of the fine arts. Expert Faculty provides critique and feedback on projects within 1-2 business days, helping you build a creative portfolio for prospective employers.

Forensic Computer Examiner (150 Hours)

The online Forensic Computer Examiner program prepares individuals for a career as a forensic computer examiner. Students will learn to retrieve evidence and prepare reports, based on that evidence, which will stand up in a court of law. This program is an authorized Certified Computer Examiner (CCE) training course and thoroughly prepares students to take the CCE certification exam.

Help Desk Analyst: Tier 1 Support Specialist (80 Hours)

The Help Desk Analyst online program will prepare students for a challenging technical support role. Textbooks included!

Interior Design (350 Hours)

In this new and exciting interactive online program, you will learn how to create spaces for living, working, and enjoyment. The program focuses on Design Theory, Design Process methods and Design Studio Work.

Marketing Design Certificate (420 Hours)

The Marketing Design Certificate program focuses on developing the visual identity, advertising, and marketing design skills required for a corporate or small business environment. Students learn professional applications for Adobe Photoshop and Illustrator or equivalent digital imaging and vector drawing tools.

Microsoft Access 2007 (35 Hours)

This nationally recognized Microsoft Access 2007 online training course is a comprehensive, performance-based certification preparation program designed to validate business computer skills using Microsoft Access 2007 software.

Microsoft Excel 2007 (35 Hours)

This nationally recognized Microsoft Excel 2007 online training course is a comprehensive, performance-based certification preparation program designed to validate business computer skills using Microsoft Excel 2007 software.

Microsoft Outlook 2007 (35 Hours)

This nationally recognized Microsoft Outlook 2007 online training course is a comprehensive, performance-based certification preparation program designed to validate business computer skills using Microsoft Outlook 2007 software.

Microsoft PowerPoint 2007 (35 Hours)

This nationally recognized Microsoft PowerPoint 2007 online training course is a comprehensive, performance-based certification preparation program designed to validate business computer skills using Microsoft PowerPoint 2007 software.

Microsoft Vista Business (35 Hours)

This nationally recognized Microsoft Vista Business online training course is a comprehensive, performance-based certification preparation program designed to validate business computer skills using Microsoft Vista Business software.

Microsoft Word 2007 (35 Hours)

This nationally recognized Microsoft Word 2007 online training course is a comprehensive, performance-based certification preparation program designed to validate business computer skills using Microsoft Word 2007 software.

Multimedia Arts Certificate (420 Hours)

The Multimedia Arts Certificate focuses on providing the conceptual, technical, and visual design skills required to create multimedia applications and environments.

.NET Training (177 Hours)

Students will learn to develop web applications based on Microsoft's .Net development environment. This program begins with computer technology basics and leads to web and application development.

Pay Per Click Marketing (150 Hours)

The Pay Per Click Marketing training series has been developed in direct response to the skyrocketing growth of the paid search engine industry. This program will help you set-up, maintain, monitor, and improve your Pay Per Click campaign.

Search Engine Marketing (250 Hours)

This comprehensive program will show students how to create, monitor and maintain successful search engine rankings, integrate technology such as dynamic content and Flash, take advantage of pay-per-click advertising, and much more.

Search Engine Optimization (150 Hours)

This 3-part program will teach you how to tailor your website to achieve better search engine ranking, incorporate dynamic technology such as Flash, and make the most of your website's content.

Web Database Developer (267 Hours)

The Web Database Developer online program will provide students with intermediate and advanced knowledge and skills in utilizing and leveraging databases on the Internet.

Webmaster (150 Hours)

This online Webmaster program begins by teaching simple web page development and progresses by introducing new concepts by involving you in active web page implementation using HTML and Dynamic HTML. Textbook included.

Website Design Certificate (420 Hours)

The Website Design Certificate online training program focuses on developing the visual graphic and information design skills required to create compelling Web sites. Students learn professional applications for Adobe Photoshop, Macromedia Dreamweaver and Flash, or equivalent software tools.

SKILLED TRADES

HVAC Technician (320 Hours)

This program is designed to prepare learners using an online, mentor facilitated, self-paced environment for entry-level positions in the HVACR industry, continuing education for upgrading skills, or becoming Certified or Licensed (NATE, etc).

Modern Automotive Service Technician (380 Hours)

The Modern Automotive Service Technician online program teaches the construction, operation, diagnosis, service, and repair of late-model automobiles and light trucks. This comprehensive program uses a building-block approach that starts with the fundamental principles of system operation and progresses gradually to complex diagnostic and service procedures. Students and professionals learn quickly and easily, helped by thousands of color illustrations, scores of 2-D and 3-D animations, built-in quizzes, and other interactive features.

Principles of Green Buildings (30 Hours)

There is a rapidly growing need for those in the building, remodeling, or trade industries to understand green building. This program explains the science that professionals in these fields need to know in order to make buildings perform more efficiently and provide the healthiest possible environment for their occupants. It also helps prepare individuals for BPI, NATE, NARI, RESNET, and other industry credentials for green buildings. Successful completion of this course is recognized by NATE for 28 hours of continuing education units (CEUs) applicable to the NATE certifications.

SUSTAINABLE ENERGY & GOING GREEN PROGRAMS

Biofuel Production Operations (400 hours)

The Bio Fuel Production Operations Program will give you the training you need to begin an exciting career in biofuel production. As a biofuel production operator, your job will be to ensure the quality and purity of the biofuel your plant produces. This involves inspecting and repairing equipment, operating computer systems, and handling lab equipment. This online course will ensure you have the skills you need to handle these tasks.

Building Analyst Quick Start Program (BPI BA Certification) (60 hours)

This Building Performance program was developed and written in partnership with nationally recognized building science experts. The two online courses are full of scientific facts, interactive exercises, pictures, videos, graphics, and text. See the individual course descriptions for a more detailed description. Also, they are recognized by North American Technician Excellence and Building Performance Institute for continuing education hours. This program is a great way to compliment and increase your company's GREEN services for your customers and to open new doors of opportunity.

Certified Green Supply Chain Professional (60 hours)

Gain the skills and knowledge you'll need to "green" an organization's supply chain with this Supply Chain Management Certification preparation online training program. This course gives you the specialized knowledge to enable a company to achieve its environmental sustainability goals through global sourcing, material management, procurement/buying, transportation and logistics, and new product development.

Certified Indoor Air Quality Manager (16 hours)

In this Certified Indoor Air Quality Manager online training and certification program, you'll learn how to respectfully, thoroughly and expeditiously handle indoor air quality complaints. Are you a facility manager, building engineer or health & safety officer that wants to improve the indoor air quality of your building? If so, the Certified Indoor Air Quality Manager (CIAQM) Course is just for you.

Certified Indoor Environmentalist (32 hours)

Would you like to become an indoor air quality (IAQ) or green building consultant? Would you like to better understand how to create a healthy home or building by preventing, diagnosing, and resolving indoor environmental problems? If so, the Certified Indoor Environmentalist (CIE) online certification program is just for you. Getting certified is completely optional. Exams are arranged through ACAC at computerized testing centers throughout the US. Certain experience requirements and fees apply to students getting certified (there are no experience requirements for the course).

Performing Comprehensive Building Assessments (30 hours)

The exciting new Performing Comprehensive Building Assessments (PCBA) program is designed to introduce students to the comprehensive building assessment process. This intermediate course is geared toward conducting visual building inspections, performing diagnostic testing, and determining residential building improvement opportunities in the field; then documenting a home's performance, prioritizing improvements, and preparing a work scope that will guide the homeowners decision making process for making the improvements.

Principles of Green Buildings (30 hours)
See description under SKILLED TRADES.

Senior Certified Sustainability Professional (110 hours)
This online Senior Certified Sustainability Professional training and development program will prepare you for an exciting career as a leader in the green collar economy. As a Certified Sustainability Professional, you will be responsible for setting the course and coordinating an enterprise's sustainability strategy. Millions of new jobs in this rapidly growing sector will be available to people that set themselves apart from the crowd by earning the professional credentials and skills they need to lead sustainable business practices.

BUSINESS & PROFESSIONAL PROGRAMS

Administrative Professional with Microsoft Office 2007 Master (240 Hours)
The Administrative Professional's job today requires skills in management functions and technology. Our Administrative Professional with Microsoft Office 2007 Master certification training will not only provide you with Administrative Professional training but will also prepare you to become a Microsoft Office 2007 Master. The Microsoft Office 2007 training will teach how to use the Microsoft Office 2007 suite of programs: Word, Excel, Outlook, and PowerPoint.

Bookkeeping the Easy Way with QuickBooks (140 Hours)
This course is designed for students who are interested in gaining knowledge of basic bookkeeping practices in planning a more profitable future or seeking a new career. Textbook and thorough tutorial for QuickBooks are included.

Certified Bookkeeper (120 hours)
This online course for experienced bookkeepers leads to national certification with the American Institute of Professional Bookkeepers (AIPB). All textbooks included.

Certified Global Business Professional (400 Hours)
This online preparatory program for the Certified Global Business Professional Credential exam is a prestigious acknowledgement of international business expertise. The North American Small Business International Trade Educators Association (NASBITE) Certified Global Business Professional Credential (CGBP) provides a benchmark for competency in global commerce.

Chartered Tax Professional (180 Hours)
With the innovative online Chartered Tax Professional certificate program, students can start working and earning money while completing coursework. While they apply what they've learned and earn money as a tax preparer, students continue their studies in advanced individual tax preparation, which will enable them to serve clients with more complex tax situations and increase earning potential.

CORE Mediationa (60 hours)
Mediation and dispute resolution are rapidly growing fields of study and sought after skills in the workplace. This comprehensive course provides the core skill sets necessary for the practice of mediation.

eBusiness Certificate (200 Hours)
The primary objective of this online program is to introduce concepts, tools and approaches to eBusiness. Textbook included.

Emergency Management Training (300 Hours)
This emergency management program addresses all phases of emergency management–the social and environmental processes that generate hazards, hazard/vulnerability analysis, hazard mitigation, emergency response and disaster recovery, emergency response, disaster recovery, as well as emergency planning.

Entrepreneurship: Start-Up and Business Owner Management (360 Hours)
This Entrepreneurship course provides an excellent foundation for not just the start-up business owner, but also the business owner or manager who wants to gain a deeper understanding of some of the essential principles associated with owning and operating a start-up or on-going business.

Freight Broker/Agent Training (150 Hours)
Become a part of the exciting trucking, freight logistics, and transportation industries as a licensed freight broker, or as a freight broker agent.

Grant Writing (300 Hours)
If you are thinking of starting a business that utilizes grants, learn the essentials in writing or acquiring grants for private, public, or government use in this nationally recognized Grant Writing course.

Lean Mastery (60 Hours)
Students will learn the concepts and theories needed to transform an organization to Lean in this online, expertly-facilitated program.

Management for IT Professionals (390 Hours)
The Management for IT Professionals online training program is designed for anyone in IT who has recently assumed management responsibilities, anyone who is managing IT professionals, or anyone who wants a perspective on some of the unique issues facing management in the IT field. Materials included.

Management Training (360 Hours)
This program is perfect for the business owner, entrepreneur, or anyone seeking to learn the essentials in business and management. If you are thinking of starting a business or pursuing an MBA, learn the essentials here!

Non-Profit Management Training (300 Hours)
For those who work with or desire to work in a non-profit organization or business environment, this is the program for you. The Non-Profit Management Program is particularly well suited for anyone in who has recently assumed management responsibilities, anyone who is working in a non-profit organization, or anyone who wants a perspective on some

of the unique issues facing management of a non-profit organization.

Payroll Practice and Management (80 Hours)

This new online program is designed to teach the solid skills and knowledge of payroll rules and regulations to the beginner and to increase or refresh the skills of the more experienced student.

Project Management (40 Hours)

This program teaches the basics of project management and includes preparation for the Project Management Professional national certification exam. Textbook and exam prep included.

Purchasing & Supply Chain Management (300 Hours)

This exciting online training program is particularly well suited to anyone working in or interested in working in purchasing, supply chain management, or procurement. In this program students will be introduced to the various aspects of the supply chain environment, including enterprise resource planning systems and requirement systems.

Records Management Certificate (180 Hours)

This online Record Management Certificate course is a power packed online training program that will teach you how to manage electronic records and conquer the paper pile-up. Textbook included.

Six Sigma Black Belt (200 Hours)

The Black Belt training program integrates online learning with hands-on data analysis. The course material provides an in-depth look at the DMAIC problem-solving methodology, as well as deployment and project development approaches. Workshops are incorporated extensively throughout the training to challenge the student's analytical and problem-solving skills.

Six Sigma Green Belt (100 Hours)

Six Sigma is one of the highest standards for companies and individuals to achieve. This interactive online experience provides the skills needed to affect this highly valuable skill as well as prep for the national certification. All materials included.

Technical Writing (80 Hours)

The Technical Writing online training program is designed for anyone who wishes to develop their technical writing abilities to a professional level. Our technical writing program will give you the skills you need to get noticed!

Travel Agent Training (200 Hours)

This industry-leading program will prepare students for the Institute of Certified Travel Agents TAP Certification teaches the basic skills needed to operate a computer reservation system. All materials included.

Understanding Earned Value Management (30 Hours)

In this program, you will learn what is necessary to plan and manage your project utilizing Earned Value concepts.

IT CERTIFICATION & SOFTWARE DEVELOPMENT

Cisco® CCNA© Certification Training (100 Hours)

This online program involves extensive hands-on work on Cisco routers, switches, and firewalls in a simulated network environment and prepares students for the Cisco CCNA certification exam. Textbook included.

CompTIA™ A+ Certification Training (150 Hours)

This online program will prepare students to take the CompTIA A+ Hardware and the A+ Operating System Technologies exams.

CompTIA™ Network+/ Certification Training (80 Hours)

This online program will prepare students for both Network+ and Server+ national certification exams.

CompTIA™ Security+ Certification Training (120 Hours)

This online Security+ course helps prepare a student for the CompTIA Security+ certification exam. Textbook included.

RFID (Radio Frequency Identification) on the Web™ (70 Hours)

RFID on the Web™ will provide the student with the information and practice exams necessary to sit for the CompTIA™ RFID+ certification exam as well as the knowledge and information necessary to evaluate and implement RFID technology in various application scenarios.

MICROSOFT CERTIFICATION TRAINING

Microsoft Certified Application Specialist: Office 2007 and Windows Vista (MCAS) (240 Hours)

The Microsoft Certified Application Specialist Training program is the only performance-based certification program approved by Microsoft to assess and validate computer skills using Microsoft Office 2007® Microsoft Excel, Word, PowerPoint, Access and Outlook, as well as Microsoft Windows Vista.

Microsoft Certified Desktop Support Technician (MCDST) (200 Hours)

The online MCDST program prepares students for Microsoft's national MCDST certification exam.

Microsoft Certified System Administrator 2003 (MCSA) (440 Hours)

The online MCSA program will prepare students for Microsoft's national MCSA certification exam.

Microsoft Certified System Administrator Plus 2003 (MCSA+) (340 Hours)

The online MCSA+ program will prepare students for Microsoft's national MCSA+ certification exam.

Microsoft Certified System Engineer 2003 (MCSE) (700 Hours)

The online MCSE program will prepare students for Microsoft's national MCSE certification exam.

Microsoft Certified Technology Specialist: SQL Server 2005 (MCTS) (480 Hours)

This nationally recognized Microsoft Certified Technology Specialist: Microsoft SQL Server 2005 course teaches students thorough knowledge of the product, as well as an understanding of how to use the Transact-SQL language, and know how to explore the user interface.

Microsoft Office Specialist 2003 (MOS) (120 Hours)

This online program is a comprehensive, performance-based program that teaches students to be proficient using the most popular suite of Microsoft Office 2003 programs including Word, Excel, Power Point, Outlook, and Access. Textbooks included!

VIDEO GAME DESIGN & DEVELOPMENT

3ds max (360 Hours)

This exciting new online program will teach students how to use both 3ds max and Character Studio to design, develop, and animate 3D video game characters.

Game Art Certificate (420 Hours)

The Game Art Certificate program builds technical and artistic skills in 3D modeling, texturing, lighting, and animation using Autodesk Maya and Photoshop. Challenging, practical projects put you through your paces, helping you develop a high-quality portfolio of game art.

Video Game Design and Development (500 Hours)

Learn the high-end techniques and engineering principles behind modern videogame technology with this exciting online program.

TEACHER PROFESSIONAL DEVELOPMENT COURSES

Sharpen your teaching skills, or learn new ones with our instructor facilitated online Teacher Professional Development courses. These online courses run for six weeks (with a 10-day extension period available at the end). They are project-oriented and include lessons, quizzes, hands-on assignments, discussion areas, supplementary links, and more. You can complete any course entirely from your home or office any time of the day or night. These courses meet Options 2 and/ or 4 on Form 4 for Teacher Recertification.

Continuing education Teacher Professional Development courses, designated with a course prefix of "XEDU," are graded Satisfactory (S) or Unsatisfactory (U). These classes are designed for salary increment and upgrade or for recertification only and do not count toward any degree at Pierpont Community & Technical College or Fairmont State University. A grade of S is equivalent to a B or better.

Details on any of these courses can be found at: http://www.ed2go.com/wvteachers/ or by calling 304.367.4920.

HIGH-STAKES TESTING SERVICES

The Center for Workforce Education provides a secure, proctored environment where various tests for certification and licensing are administered. We have partnered with industry-leading computer based testing companies to provide a wide variety of in-demand tests. Please note that some of the high-stakes tests listed are not scheduled here at the Center for Workforce Education, but through the individual testing vendor.

ACT Certified Tests

ACT has over 100 assessment products. The most familiar is the national college-entrance testing program, but here at the Center for Workforce Education we do not administer the college entrance ACT test. Instead, we proctor several specialized certificate-bearing tests. We also manage their business solution product known as WorkKeys.

The ACT group of tests that we administer includes some of the most prominent certifying boards in the nation. A few examples are ADA (American Dietetic Association), ASWB (Association of Social Work), BOC (Board of Certification for athletic trainers), NMTCB (Nuclear Medicine Technology), NITC (National Inspection, Testing Certification Corporation), ABVM (American Board of Vascular Medicine), and ASE (National Institute of Automotive Service Excellence).

WorkKeys

WorkKeys is a system for documenting and improving workplace skills, developed by ACT, Inc. To take any of these tests, you will need to request a WorkKeys test date by contacting Deborah Woods using the information listed below.

CLEP

The College-Level Examination Program allows students to gain college credit through exams in undergraduate college courses. To request a test date for a CLEP exam(s), call or email Deborah Woods using the information listed below to suggest a date and time that works for you.

Microsoft Certified Application Specialist

The Microsoft Certified Application Specialist Training program is the only performance-based certification program approved by Microsoft to assess and validate computer skills using Microsoft Office 2007® Microsoft Excel, Word, PowerPoint, Access and Outlook, as well as Microsoft Windows Vista.

Pearson VUE

The Pearson VUE advanced computer-based testing system administers exams for leading IT certification programs such as CISCO Systems, CompTIA, and IBM among many other tests in a variety of other industry sectors.

TEAS Pre-Nursing Testing

Fairmont State University's School of Nursing and Allied Health has made the Test of Essential Academic Skills (TEAS) test results part of the admission requirements for the Associate of Science in Nursing Program for all students applying for acceptance. You must register for the test date you want and pay for the TEAS test online. To schedule a retake of the TEAS test select the date you want and pay for the retake TEAS test online.

For additional information regarding high-stakes testing services, please contact:

Deborah Woods
(304) 367-4920
deborah.woods@pierpont.edu

HEAPS GRANT PROGRAM

Students enrolled in many of the career-focused certification courses described above are now eligible for financial assistance through the West Virginia Higher Education Adult Part-time Student (HEAPS) Grant Program. The amount of financial award is based on individual need. These certification courses may also be eligible for funding through WorkForce WV. Please call for further information.

OTHER BUSINESS SERVICES WE PROVIDE:

- Workplace assessments, including job profiling and task analysis
- Continuing education programs for professional development
- Customized, skill-specific training, which can be delivered at your business location

Degree Programs and Requirements

Fairmont State University

The five baccalaureate degrees granted by Fairmont State University are Bachelor of Science, Bachelor of Science in Engineering Technology, Bachelor of Science in Nursing, Bachelor of Arts, and Bachelor of Arts in Education. For each of these five degrees a minimum of 128 semester hours of credit is required.

DEGREE LIST

	Degree	Min. Sem. Hours Required	Minor
COLLEGE OF LIBERAL ARTS			
Department of Language and Literature			
English	B.A.	128	21
Business and Technical Writing			18
English			21
Folklore Studies			19
French	B.A.	128	24
Journalism			18
Journalism/Technical Writing			18
Spanish	B.A.	128	24
Department of Social Science			
Computer Forensics			18
Criminal Justice	B.S.	128	18
Law Enforcement		128	
Corrections		128	
History	B.A./B.S.	128	21
National Security and Intelligence	B.A.	129	21
International Studies			21
Philosophy			15
Political Science	B.A.	128	18
Social Studies Education	B.A.	128	
Department of Behavioral Science			
Geography			18
Psychology	B.S.	128	18
Sociology	B.S.	128	18
Population Studies		128	
COLLEGE OF SCIENCE AND TECHNOLOGY			
Department of Biology, Chemistry and Geoscience			
Biology	B.S.	128	24
Biotechnology		128	
Biology Education	B.A.	128	
Chemistry	B.S.	128	22
Biotechnology		128	
Chemistry Education	B.A.	128	
Forensics	B.S.	128	
Biotechnology		128	
Forensic Science		128	
General Science Education	B.A.	128	
Department of Computer Science, Mathematics and Physics			
Computer Science	B.S.	128	18
Computer Security		128	
Mathematics	B.S.	128	24
Mathematics Education	B.A.	128	
Physics			30
Physics Education	B.A.	128	
Department of Technology			
Architecture	B.S.	129	
Aviation Technology	B.S.	134-136	
Aviation Maintenance Management			136
Aviation Administration (No Flight)		134	21
Aviation Administration (Flight)		134	18
Civil Engineering Technology	B.S.E.T.	128	
Environmental		132	
Electronics Engineering Technology	B.S.E.T.	129	19
Graphics Technology	B.S.	128	21
Electronic Publishing/Imaging		130	
Mechanical Engineering Technology	B.S.E.T.	133	
Occupational Safety	B.S.	128	23-24
Technology			23
Technology Education	B.A.	128-130	
SCHOOL OF BUSINESS			
Accounting	B.S.	128	18
Business Administration	B.S.	128	
Finance		128	18
General Business		128	21
Entrepreneurial Studies		128	
Hospitality Management		129	
Management		128	
Marketing		128	
Office Administration			18
Public Administration			21
Retail Management			18
Sport Management		128	
Information Systems Management	B.S.	128	18
Business Education	B.A.	128	
SCHOOL OF FINE ARTS			
Art		24	
Art Education	B.A.	128-139	
Art History			18
Graphics/Fine Arts	B.S.	128	
Music			24
Music Education	B.A.	128-138	
Communication	B.A.	128	24
Oral Communication Education	B.A.	128	
Studio Art	B.A.	128	24
Theatre	B.A.	128	31
Theatre Education	B.A.	128	
SCHOOL OF NURSING AND ALLIED HEALTH ADMINISTRATION			
Allied Health Administration	B.S.	128	
Nursing	B.S.N.	128	

SCHOOL OF EDUCATION

	Min. Sem. Hours Required
BACHELOR OF ARTS IN EDUCATION	128-132

Education students are required to fulfill general studies requirements of the university, professional education requirements and content hours as listed below.

Early/Middle Education Elementary K-6	93

Specializations

Art	Pre K-Adult	62
Biology	9-Adult	48
Business Education	5-Adult	57
Chemistry	9-Adult	38
Computer Science	Pre K-Adult	24
English	5-Adult	45
French	5-Adult	36
Family and Consumer Sciences	5-Adult	51
General Science	5-Adult	40
Health	5-Adult	32
Journalism	5-Adult	24
Mathematics	5-Adult	46
Mathematics (through Algebra I)	5-9	28
Music	Pre K-Adult	70
Oral Communication (Comm. & Theatre)	5-Adult	44
Physical Education	Pre K-Adult	43
Physics	9-Adult	43
School-Library Media	Pre K-Adult	24
Social Studies	5-Adult	60
Spanish	Pre K-Adult	36
Technology Education	5-Adult	32
Technology Education	Comprehensive 5-Adult	59
Theatre	Pre K-Adult	43

EDUCATION MINOR	24

Department of Health and Human Performance

	Degree	Min. Sem. Hours Required	Minor
Health Science	B.S.	128	19
Exercise Science	B.S.	128	20
Recreational Leadership			25

Department of Family and Consumer Sciences

Family and Consumer Sciences	B.S.	128	22
Child Development		128	
Family & Consumer Specialist		128	
Fashion Design			21
Fashion Merchandising		128	
Interior Design		128	
Nutrition			22

SPECIAL PROGRAMS

Library Science			18
Regents B.A. Degree		128	
Women's Studies			18

ASSOCIATE DEGREE PROGRAMS

Architectural Engineering Technology	A.S.	65
Civil Engineering Technology	A.S.	67
Electronics Engineering Technology	A.S.	69
Mechanical Engineering Technology	A.S.	67
Nursing	A.S.	69
Safety Engineering Technology	A.S.	68

UNIVERSITY DEGREE REQUIREMENTS

Candidates for the Bachelor of Arts and Bachelor of Science degrees must complete a major and the General Studies Requirements as described herein. A minor may be required for some baccalaureate degrees. However, you cannot major and minor in the same program. Refer to specific programs for details. Students in the Teacher Education and Nursing programs have different General Studies Requirements (see chapters of the respective schools in this catalog for details).

The minimum credit required for graduation is 128 semester hours, with a grade point average of 2.0 in the major and the minor with the exception of a Bachelor of Arts in Education degree, which requires at least a 2.75 in the teaching specialization(s) and overall averages.

General Studies Requirements may also be used to meet major or minor requirements. No course, however, may be counted more than once in meeting the number of semester hours required for graduation. For example, General Studies requirements in English will also satisfy requirements for a major or minor in English.

All variations from prescribed programs must be approved by the appropriate Dean in the major/minor field before students can qualify for graduation.

Twelve hours of one foreign language is a general requirement for most Bachelor of Arts degrees. Consult specific programs for details. Upon the presentation of two or more units of high school work in a foreign language currently taught at Fairmont State University, students may have six hours of this requirement at the elementary level waived, provided that they are competent to continue the study of the language in classes numbered 2200 or above. It is recommended that students begin their requirement in foreign language no later than their sophomore year.

Students are required to complete at least one designated writing intensive course as part of their General Studies program or their major field of study. This course will not be in addition to other courses, but rather a course from those approved as General Studies or majors courses. Students cannot use ENGL 1104, 1108, 2220, 2221, 2230, or 2231 to satisfy the writing intensive course requirement.

Students seeking a second Bachelor's Degree: See Admissions Requirements in Section 1 of the catalog, "Introduction."

GENERAL STUDIES REQUIREMENTS FOR THE BACHELOR'S DEGREE

THE FIRST YEAR EXPERIENCE .... 15-16 HOURS

(To be completed within the first 45 credit hours)
(Students are required to complete all Developmental Skills courses within their first 32 credit hours.)

	HRS.	GR
ENGL 1104 Written English I #	3	______
ENGL 1108 Written English II #	3	______
INFO 1100 Computer Concepts & Applications *(or demonstrated competency)*	3	______
MATH 1102, 1107, 1112, 1115, 1185, 1190 *(excluding 1106 and courses below 1102)*	3 - 4	______
COMM 2200, 2201, 2202	3	______

# Designates courses with prerequisites.

SCIENTIFIC DISCOVERY .... 8 HOURS

(Choose any 2 courses from the following options; courses do not have to be sequential. All SCIE courses meet LS requirements)

			HRS.	GR
BIOL	1105	Biological Principles I #	4	
BIOL	1106	Biological Principles II #	4	
BIOL	1170	Anatomy and Physiology	3-4	
BIOL	2205	Technical Microbiology	4	
CHEM	1101	General Chemistry I #	4	
CHEM	1102	General Chemistry II #	4	
CHEM	1105	Chemical Principles I #	5	
CHEM	1106	Chemical Principles II #	4	
GEOL	1101	Physical Geology	4	
GEOL	1102	Historical Geology #	4	
GEOL	1103	Intro. to Environmental Geology #	4	
PHYS	1101	Introduction to Physics I #	4	
PHYS	1102	Introduction to Physics II #	4	
PHYS	1105	Principles of Physics I #	5	
PHYS	1106	Principles of Physics II #	5	
SCIE	XXXX		4	
SCIE	XXXX		4	

CULTURAL/CIVILIZATION EXPLORATION .... 9 HOURS

(Select the starred course (★) from Option I, II, or III, one additional course from that option, and a third course from Additional courses)

OPTION I

ENGL 1104 is PR for 2000 level courses;
ENGL 1108 is PR for 3000 courses

			HRS.	GR
ENGL	2220	★World Literature I #	3	
ENGL	2221	World Literature II #	3	
ENGL	3382	World Novel #	3	
ENGL	3388	Women's Literature #	3	
ENGL	3389	Minority Literature #	3	
ENGL	3390	Modern Drama #	3	
ENGL	3391	Short Story #	3	
ENGL	3392	Contemporary Poetry #	3	

OPTION II

			HRS.	GR
ENGL	2220	★World Literature I #	3	
ENGL	2221	World Literature II #	3	
ENGL	3370	Medieval Literature #	3	
ENGL	3374	Shakespeare #	3	
ENGL	3385	Arthurian Literature #	3	
ENGL	3386	Bible as Literature #	3	
ENGL	3387	Folk Literature #	3	
ENGL	3395	Mythology #	3	

OPTION III

			HRS.	GR
ENGL	2230	★Intro. to Literature I #	3	
ENGL	2231	Intro. to Literature II #	3	

Additional Courses for all Options

			HRS.	GR
FREN	1101	Elementary French I	3	
FREN	1102	Elementary French II #	3	
FREN	2201	Intermediate French I #	3	
HIST	1107	US History I	3	
HIST	1108	US History II	3	
HIST	2211	World Civilization I #	3	
HIST	2212	World Civilization II #	3	
HIST	2213	World Civilization III #	3	
MUSI	3313	Music in Western Civ. to 1750	3	
MUSI	3314	Music in Western Civ. since 1750	3	
PHIL	2200	Intro. to Philosophy	3	
PHIL	2250	Great Philosophers	3	
PHIL	3325	Ethics	3	
PHIL	3350	Comparative Religions	3	
PHIL	4475	Philosophy of History	3	
SPAN	1101	Elementary Spanish I	3	
SPAN	1102	Elementary Spanish II #	3	
SPAN	2201	Intermediate Spanish I #	3	

ARTISTIC / CREATIVE EXPRESSION & INTERDISCIPLINARY / ADVANCED STUDIES OPTION .... 6 HOURS

(Select one of the following courses)

			HRS.	GR
ART	1120	Art Appreciation	3	
INTR	1120	Experiencing the Arts	3	
MUSI	1120	Music Appreciation	3	
THEA	1120	Theatre Appreciation	3	

(Select three hours from the following courses)

			HRS.	GR
APPD	1102	Apparel Design	3	
APPD	1116	Hist. of Contemporary Fashion	3	
ARCH	1130	Architectural History I	3	
ARCH	1160	Architectural History II #	3	
ART	1142	Foundations of Drawing	3	
ART	2241	Drawing from Life #	3	
ART	2261	Foundations of Painting #	3	
ART	2283	Sculpture I	3	
ART	3341	Printmaking I #	3	
ART	3362	Intermediate Figure Painting #	3	
ART	3363	Intermediate Water Media I #	3	
ART	3374	Art from Prehistory to 1450	3	
ART	3376	Art from 1450 to 1750	3	
ART	3378	Art from 1750 to 1950	3	
ART	3380	Art History since 1950	3	
ART	3383	Pottery I	3	
ENGL	3332	Narrative & Descriptive Writing #	3	
ENGL	3333	Writing Non-fiction #	3	
ENGL	3344	Writing Poetry #	3	
ENGL	3345	Writing Fiction #	3	
ENGL	3394	Art of the Motion Picture #	3	
FOLK	2200	Intro. To Folklore	3	
FREN	3315	French Film	3	
GRAP	2290	Image Editing	3	
GRAP	4400	Comp. Anim. & Multi-Media #	3	
INTR	2200	Race, Class, & Gender in Popular Culture	3	
INTR	2201	Intro. to Women's Studies	3	
INTR	2280	Empowering Leadership #	3	
INTR	2281	Great Ideas of Leaders #	3	
INTR	4402	Seminar in Women's Studies #	3	
MUSI		Any combination of 1 hour Music courses	1-3	
MUSI	1102	Intro. to Keyboard I	1	
MUSI	1103	Intro. to Keyboard II	1	
MUSI	1139	Voice Class	1	
MUSI	1167	Collegiate Singers	1	
MUSI	1168	Marching Band	2	
MUSI	1169	Concert Band	1	
MUSI	1172	Orchestra #	1	
MUSI	2247	Stage Band #	1	
MUSI	2277	Chamber Choir #	1	
MUSI	3313	Music in Western Civilization I	3	
MUSI	3314	Music in Western Civilization II	3	
PHED	1100	Fitness & Wellness	2	
RECR	1146	Folk and Square Dance	2	
THEA	1148	Theatre Workshop I	1	
THEA	2212	Theatrical Makeup	1	
THEA	2220	Oral Interpretation #	3	
THEA	2230	Acting #	3	
THEA	2238	Acting Workshop I	1	
THEA	2244	Intro. to Theatrical Design #	3	
THEA	3340	Theatre History I #	3	
THEA	3341	Theatre History II #	3	
THEA	3392	Costume History and Design #	3	

OR any course beyond the 1100 level in a discipline that is not required within the student's major or minor field of study ....3 ______

SOCIETY/HUMAN INTERACTIONS .... 6 HOURS

(Select 2 courses from 2 different disciplines)

			HRS.	GR
ECON	2200	Economics	3	
ECON	2201	Economics Prin. I (Business Majors)	3	
GEOG	2210	Intro. to Geography	3	
POLI	1103	American Government	3	
POLI	2200	Intro. to Political Science	3	
POLI	2201	Prin. of International Relations	3	
POLI	2203	Comparative Government	3	
POLI	4405	Terrorism	3	
PSYC	1101	Intro. to Psychology	3	
SOCY	1110	Intro. to Sociology	3	
SOCY	1111	Intro. to Anthropology	3	

APPROVED WRITING INTENSIVE COURSE

(May not use ENGL 1104, 1108, 2220, 2221, 2230, or 2231) *(Most majors include a Writing Intensive course within the curriculum. Please check with your advisor.) ENGL 1104 and 1108 are prerequisites for all Writing Intensive courses.*

WRITING INTENSIVE COURSES (WIC)

The Fairmont State University General Studies Curriculum indicates that "Students will be required to complete at least one designated writing intensive course as part of their general studies program or their major field of study. This course will not be in addition to their other courses, but rather a course from those approved as General Studies or majors courses."

RATIONALE FOR WIC

Writing intensive courses benefit students by:

1) improving writing skills as a means of self-expression
2) increasing knowledge and understanding of course content
3) enhancing critical thinking skills
    - Evaluation
    - Analysis
    - Interpretation
    - Inference
    - Explanation
    - Self-regulation

WRITING INTENSIVE COURSES

			HRS.	GR
ACCT	4410	Case Studies in Accounting		
ALLH	4401	Allied Health Practicum and Seminar		
ARCH	4460	Design VI		
ART	3374	Art History from Prehistory to 1450		
ART	3376	Art History from 1450 to 1750		
ART	3378	Art History from 1750 to 1950		
ART	3380	Art History since 1950		
AVMA	3305	General Aviation Operations		
BIOL	3390	Molecular Biotechnology		
BUSN	2251	Corporate Communications		
CHEM	4405	Advanced Integrated Laboratory		
COMM	4495	Seminar in Communication Issues		
COMP	3395	Ethical Issues in Computing		
CRJU	4410	Research in Criminal Justice		
CRJU	4425	Evaluation of the Criminal Justice System		
EDUC	3330	The Reading Process		
EDUC	3331	Reading in the Content Areas		
EDUC	3351	Inclusive Classroom Practices		
EDUC	3352	Educational Psychology		
ELEC	4400	Senior Electronics Project		
ENGL	3303	Survey of American Literature I		
ENGL	3304	Survey of American Literature II		
ENGL	3313	Survey of British Literature I		
ENGL	3314	Survey of British Literature II		
ENGL	3332	Narrative and Descriptive Writing		
ENGL	3333	Writing Non-Fiction		
ENGL	3344	Writing Poetry		
ENGL	3345	Writing Fiction		
ENGL	3349	Advanced Technical Communication		
ENGL	3374	Shakespeare		
FACS	3315	Management in the Family		
FACS	3335	Parenting		
FINC	3385	Analyzing Financial Statements		
FREN	4411	Advanced French Comp. & Conversation		
GRAP	4410	Advanced Topics in Graphics		
HLTA	3370	Contemporary and Drug Behavior Issues		
JOUR	2270	Communications in Society		
JOUR	2280	History of American Journalism		
JOUR	3312	The Publications Process		
MATH	3361	Abstract Algebra		
MUSI	4431	Methods & Mat. in Teaching Music, 7-12		
NURS	4440	Nursing Practicum		
PHED	3325	Psychomotor Analysis Lab		
PHED	3327	Sport in Society		
PHED	4201	Sport Finance		
PHED	4410	Research Design Seminar		
POLI	3340	Political Science Research Methods		
PSYC	3390	Foundations of Psychology		
SFTY	3300	Industrial Hygiene/Practices		
SOCY	4470	Sociological Theory		
SPAN	3301	Spanish Composition and Conversation I		
THEA	3340	Theatre History I		
THEA	3341	Theatre History II		
THEA	3350	Children's Drama		
THEA	3375	Development of Dramatic Art		

B.A. DEGREE OPTION .... 12 HOURS

(Complete all B.S. Requirements with additional foreign language hours)

			HRS.	GR
FREN	1101	Elementary French I	3	
FREN	1102	Elementary French II #	3	
FREN	2201	Intermediate French I #	3	
FREN	2202	Intermediate French II #	3	
SPAN	1101	Elementary Spanish I	3	
SPAN	1102	Elementary Spanish II #	3	
SPAN	2201	Intermediate Spanish I #	3	
SPAN	2202	Intermediate Spanish II #	3	

PLEASE NOTE:

- *Certain majors require specific General Studies courses. Check with an advisor before registering for courses.*
- *# designates courses with pre-requisites. Please refer to the college catalog for PR information.*
- *The above General Studies Requirements do not apply to Elementary Education majors. Please refer to the catalog or check with an advisor for more specific information.*

Programs of Study

College of Liberal Arts

Dr. Deanna Shields, Dean
110a Hardway Hall / (304) 367-4161; 367-4717
Deanna.Shields@fairmontstate.edu

Department of Language and Literature

Dr. J. Robert Baker, Chair
309 Jaynes Hall / (304) 367-4717
FAX: (304) 367-4896
JRobert.Baker@fairmontstate.edu

FACULTY

BAKER, J. ROBERT (1994)
Director, Honors Program
Professor of English
Graduate Faculty

BYERS, JUDY P. (1982)
Professor/Senior Level: English
Abelina Suarez Professor
Director, Frank and Jane Gabor WV Folklife Center
Graduate Faculty

GEORGE, LELAND M. (1984)
Professor of English

HEAGY, SUZANNE (2008)
Assistant Professor of English

HILTZ, SHARON L. (1987)
Professor/Senior Level: English
Graduate Faculty

HIPPOLYTE, ERIN (2006)
Assistant Professor of French

HOKOM, MATTHEW L. (2001)
Associate Professor of English

KELLEY, SUSAN M. (1991)
Professor of English

LONG, DONNA J. (1999)
Associate Professor of English
Graduate Faculty

MATTHEWS, JAMES (2002)
Associate Professor of English
Graduate Faculty

NESTOR, DEBORAH (1997)
Associate Professor of English

SANFORD, RHONDA LEMKE (1999)
Associate Professor of English
Graduate Faculty

SAVAGE, ELIZABETH A. (2001)
Associate Professor of English

SCHWER, MARY ANGELA (1997)
Associate Professor of English

SELLERS, JULIE A. (2010)
Assistant Professor of Spanish

SMITH, KEVIN (2004)
Temporary Assistant Professor of Journalism
Director of Student Publications

ENGLISH

A degree in English Literature (B.A.) opens up an exciting array of career opportunities or graduate and professional studies for students who enjoy the critical study of literature; those who want a career in teaching pursue a major in English Education (B.A. Education). Students with English degrees might choose to explore careers in teaching, journalism, publishing, public affairs, marketing, or editing, to name only a few possibilities. The B.A. in English is most effective for students who wish to pursue a law degree, and, of course, prepares students for graduate study in English at the master's level.

Within the English Program are composition, literature, and creative and technical writing courses. In addition to the Bachelor of Arts in English and a teaching specialization in English Education, two minors are also available, one in business and technical writing and one in literature. As part of the University's General Studies requirements the English Program provides instruction in English language and literature. Advanced standing may be available for English 1104 and for foreign language. Students in any major may select from a variety of courses to enhance their writing skills and knowledge of English.

BACHELOR OF ARTS IN ENGLISH	128 SEM. HRS.
English Curriculum (see below)	42 SEM. HRS.
Minor	21 SEM. HRS.
General Studies Requirements	41 SEM. HRS.
Free Electives	24 SEM. HRS.

- English Curriculum ....42 SEM. HRS.

(Required Courses (27 hrs.)

ENGL	3301	THEORIES OF LANGUAGE & THEIR APPL. TO ENGLISH I	3
ENGL	3303	SURVEY OF AMERICAN LITERATURE I	3
ENGL	3304	SURVEY OF AMERICAN LITERATURE II	3

ENGL	3313	SURVEY OF BRITISH LITERATURE I	3
ENGL	3314	SURVEY OF BRITISH LITERATURE II	3
ENGL	3320	LITERARY CRITICISM	3
ENGL	3374	SHAKESPEARE	3
ENGL	4400	SENIOR SEMINAR	3
ENGL	4490	CAPSTONE	3

English Electives (15 hrs.)
(Select one course from each of the following groups (A-D) plus one additional course from any of the groups for a total of 15 hours.)

GROUP A:
LITERARY PERIODS: EARLY BRITISH LITERATURE

ENGL	3370	LITERATURE OF THE MIDDLE AGES	3
ENGL	3373	CHAUCER	3
ENGL	3375	LATER RENAISSANCE BRITISH LITERATURE	3
ENGL	3377	LITERATURE OF THE ENLIGHTENMENT	3
ENGL	3385	ARTHURIAN TRADITION	3

GROUP B:
LITERARY PERIODS: LATER LITERATURE

ENGL	3361	AMERICAN ROMANTICISM	3
ENGL	3362	AMERICAN REALISM AND NATURALISM	3
ENGL	3363	AMERICAN NOVEL	3
ENGL	3365	AMERICAN MODERNISM	3
ENGL	3366	CONTEMPORARY LITERATURE	3
ENGL	3378	BRITISH ROMANTICISM	3
ENGL	3379	VICTORIAN LITERATURE	3
ENGL	3380	TWENTIETH CENTURY BRITISH LITERATURE	3
ENGL	3381	THE BRITISH NOVEL	3
ENGL	3390	MODERN DRAMA	3
ENGL	3391	THE SHORT STORY	3
ENGL	3392	CONTEMPORARY POETRY	3
ENGL	3393	SOUTHERN LITERATURE	3

GROUP C:
STUDIES IN LITERATURE AND CULTURE

ENGL	3302	THEORIES OF LANGUAGE PART II	3
ENGL	3356	FANTASY, SCIENCE FICTION, AND MAGICAL REALISM	3
ENGL	3364	APPALACHIAN LITERATURE	3
ENGL	3382	WORLD NOVEL	3
ENGL	3383	EPIC TRADITION	3
ENGL	3386	BIBLE AS LITERATURE	3
ENGL	3387	FOLK LITERATURE	3
ENGL	3388	WOMEN'S LITERATURE	3
ENGL	3389	MINORITY LITERATURE	3
ENGL	3390	MODERN DRAMA	3
ENGL	3391	THE SHORT STORY	3
ENGL	3392	CONTEMPORARY POETRY	3
ENGL	3394	ART OF THE MOTION PICTURE	3
ENGL	3395	JOURNEYS IN COMPARATIVE MYTHOLOGY	3
ENGL	3396	LITERATURE AND FILM	3

GROUP D:
WRITING

ENGL	3332	NARRATIVE AND DESCRIPTIVE WRITING	3
ENGL	3333	WRITING NON-FICTION	3
ENGL	3344	WRITING POETRY	3
ENGL	3345	WRITING FICTION	3
ENGL	3349	ADVANCED TECHNICAL COMMUNICATION	3

MINOR IN ENGLISH ....21 SEM. HRS.

Required courses (9 hrs.)

ENGL	3303	SURVEY OF AMERICAN LITERATURE I	3
- OR -			
ENGL	3304	SURVEY OF AMERICAN LITERATURE II	3
ENGL	3313	SURVEY OF BRITISH LITERATURE I	3
- OR -			
ENGL	3314	SURVEY OF BRITISH LITERATURE II	3
ENGL	3374	SHAKESPEARE	3

English Electives (12 hrs.)
(Select one course from each of the following groups (A-D))

GROUP A:
LITERARY PERIODS: EARLY BRITISH LITERATURE

ENGL	3370	LITERATURE OF THE MIDDLE AGES	3
ENGL	3373	CHAUCER	3
ENGL	3375	LATER RENAISSANCE BRITISH LITERATURE	3
ENGL	3377	LITERATURE OF THE ENLIGHTENMENT	3
ENGL	3385	ARTHURIAN TRADITION	3

GROUP B:
LITERARY PERIODS: LATER LITERATURE

ENGL	3361	AMERICAN ROMANTICISM	3
ENGL	3362	AMERICAN REALISM AND NATURALISM	3
ENGL	3363	AMERICAN NOVEL	3
ENGL	3365	AMERICAN MODERNISM	3
ENGL	3366	CONTEMPORARY LITERATURE	3
ENGL	3378	BRITISH ROMANTICISM	3
ENGL	3379	LITERATURE OF THE VICTORIAN PERIOD	3
ENGL	3380	TWENTIETH CENTURY BRITISH LITERATURE	3
ENGL	3381	THE BRITISH NOVEL	3
ENGL	3390	MODERN DRAMA	3
ENGL	3391	THE SHORT STORY	3
ENGL	3392	CONTEMPORARY POETRY	3
ENGL	3393	SOUTHERN LITERATURE	3

GROUP C:
STUDIES IN LITERATURE AND CULTURE

ENGL	3302	THEORIES OF LANGUAGE PART II	3
ENGL	3356	FANTASY, SCIENCE FICTION, AND MAGICAL REALISM	3
ENGL	3364	APPALACHIAN LITERATURE	3
ENGL	3382	WORLD NOVEL	3
ENGL	3383	EPIC TRADITION	3
ENGL	3386	BIBLE AS LITERATURE	3
ENGL	3387	FOLK LITERATURE	3
ENGL	3388	WOMEN'S LITERATURE	3
ENGL	3389	MINORITY LITERATURE	3
ENGL	3390	MODERN DRAMA	3
ENGL	3391	SHORT STORY	3
ENGL	3392	CONTEMPORARY POETRY	3
ENGL	3394	ART OF THE MOTION PICTURE	3
ENGL	3395	JOURNEYS IN COMPARATIVE MYTHOLOGY	3
ENGL	3396	LITERATURE AND FILM	3

GROUP D:
WRITING

ENGL	3332	NARRATIVE AND DESCRIPTIVE WRITING	3
ENGL	3333	WRITING NON-FICTION	3
ENGL	3344	WRITING POETRY	3
ENGL	3345	WRITING FICTION	3
ENGL	3349	ADVANCED TECHNICAL COMMUNICATION	3

MINOR IN BUSINESS AND TECHNICAL WRITING .... 18 SEM. HRS.

Required Courses (18 hrs.)

ENGL	1109	TECHNICAL REPORT WRITING	3
ENGL	3301	THEORIES OF LANGUAGE I	3
ENGL	3333	WRITING NON-FICTION	3
ENGL	3349	ADVANCED TECHNICAL COMMUNICATION	3
JOUR	2240	REPORTING I (INCLUDING LAB)	3
JOUR	3312	THE PUBLICATIONS PROCESS	3

BACHELOR OF ARTS IN ENGLISH: MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMP. CONCEPTS AND APPLS.	3
	1101	FOREIGN LANGUAGE	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE	3
			15

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
		GENERAL STUDIES - ENGL 2220	3
		WORLD LITERATURE I	3
	1102	FOREIGN LANGUAGE	3
		GENERAL STUDIES - COLLEGE-LEVEL MATH ELECTIVE	3
COMM	2200, 2201 OR 2202	COMMUNICATION	3
			15

SOPHOMORE FIRST SEMESTER

		GENERAL STUDIES - ENGL 2221	3
		WORLD LITERATURE II	3
ENGL	3303	AMERICAN LITERATURE I	3
	2201	FOREIGN LANGUAGE	3
		GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE	3
		MINOR / ELECTIVE	3
			15

SOPHOMORE SECOND SEMESTER

ENGL	3304	AMERICAN LITERATURE II	3
ENGL	3313	BRITISH LITERATURE II	3
	2202	FOREIGN LANGUAGE	3
		MINOR / ELECTIVE	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

JUNIOR FIRST SEMESTER

ENGL	3313	BRITISH LITERATURE I	3
ENGL	3---	GROUP A-D ELECTIVE	3
ENGL	3---	GROUP A-D ELECTIVE	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE (A WRITING COURSE FROM GROUP D MAY FULFILL THIS REQUIREMENT.)	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

JUNIOR SECOND SEMESTER

ENGL	3320	LITERARY CRITICISM	3
ENGL	3---	GROUP A-D ELECTIVE	3
ENGL	3---	GROUP A-D ELECTIVE	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION (MAY BE FULFILLED WITH FOREIGN LANGUAGE.)	3
		MINOR / ELECTIVE	3
		MINOR / ELECTIVE	3
			18

SENIOR FIRST SEMESTER

ENGL	3---	GROUP A-D ELECTIVE	3
ENGL	4400	SENIOR SEMINAR	3
		MINOR / ELECTIVE	3
		MINOR / ELECTIVE	3
		MINOR / ELECTIVE	3
		MINOR / ELECTIVE	3
			18

SENIOR SECOND SEMESTER

ENGL	3374	SHAKESPEARE	3
ENGL	4490	ENGLISH CAPSTONE	3
		MINOR / ELECTIVE	3
		MINOR / ELECTIVE	3
		MINOR ELECTIVE	3
			15

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN ENGLISH GRADES 5-ADULT .... 140 SEM. HRS.

English Curriculum (see below)	45 SEM. HRS.
General Studies Requirements	41 SEM. HRS.
Professional Education Courses	36 SEM. HRS.
Second Teaching Field	18+ HRS.

Note regarding General Studies Requirements for this degree: If a student has taken either ENGL 2230 or 2231 (but not both), s/he must take both ENGL 2220 and 2221. If a student has taken both ENGL 2230 and 2231, s/he must also take ENGL 2220.

- English Curriculum .... 45 SEM. HRS.

Required Courses (33 hrs.)

ENGL	3301	THEORIES OF LANGUAGE I	3
ENGL	3302	THEORIES OF LANGUAGE II	3
ENGL	3303	SURVEY OF AMERICAN LITERATURE I	3
ENGL	3304	SURVEY OF AMERICAN LITERATURE II	3
ENGL	3313	SURVEY OF BRITISH LITERATURE I	3
ENGL	3314	SURVEY OF BRITISH LITERATURE II	3
ENGL	3332	NARRATIVE AND DESCRIPTIVE WRITING	3
ENGL	3355	YOUNG ADULT LITERATURE	3
ENGL	3374	SHAKESPEARE	3
ENGL	4431	METHODS OF TEACHING ENGLISH	3
JOUR	3312	THE PUBLICATIONS PROCESS	3

English Electives (12 hrs.)
(Select one from each of the following groups.)

BRITISH LITERATURE

ENGL	3370	LITERATURE OF THE MIDDLE AGES	3
ENGL	3373	CHAUCER	3
ENGL	3375	LATER RENAISSANCE BRITISH LITERATURE	3
ENGL	3377	LITERATURE OF THE ENLIGHTENMENT	3
ENGL	3378	BRITISH ROMANTICISM	3
ENGL	3379	VICTORIAN LITERATURE	3
ENGL	3380	TWENTIETH CENTURY BRITISH LITERATURE	3
ENGL	3381	BRITISH NOVEL	3

AMERICAN LITERATURE

ENGL	3361	AMERICAN ROMANTICISM	3
ENGL	3362	AMERICAN REALISM AND NATURALISM	3
ENGL	3363	AMERICAN NOVEL	3
ENGL	3365	AMERICAN MODERNISM	3
ENGL	3366	CONTEMPORARY LITERATURE	3
ENGL	3393	SOUTHERN LITERATURE	3

STUDY OF GENRE

ENGL	3356	FANTASY, SCIENCE FICTION, AND MAGIC REALISM	3
ENGL	3382	WORLD NOVEL	3
ENGL	3383	EPIC TRADITION	3
ENGL	3390	MODERN DRAMA	3
ENGL	3391	SHORT STORY	3
ENGL	3392	CONTEMPORARY POETRY	3
ENGL	3394	ART OF THE MOTION PICTURE	3

STUDIES IN LITERATURE AND CULTURE

ENGL	3365	APPALACHIAN LITERATURE	3
ENGL	3385	THE ARTHURIAN TRADITION	3
ENGL	3386	BIBLE AS LITERATURE	3
ENGL	3387	FOLK LITERATURE	3
ENGL	3388	WOMEN'S LITERATURE	3
ENGL	3389	MINORITY LITERATURE	3
ENGL	3395	JOURNEYS IN COMPARATIVE MYTHOLOGY	3
ENGL	3396	LITERATURE AND FILM	3

- Professional Education ....36 SEM. HRS.

Required for the B.A. in Education

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

BACHELOR OF ARTS IN ENGLISH EDUCATION: MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMP. CONCEPTS AND APPLS.	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
2ND FIELD REQ.			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			18

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
GENERAL STUDIES - ENGL 2220 WORLD LITERATURE I			3
COMM 2200, 2201 OR 2202 COMMUNICATION			3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
2ND FIELD REQ.			3
GENERAL STUDIES - COLLEGE-LEVEL MATH ELECTIVE			3
			18

SOPHOMORE FIRST SEMESTER

GENERAL STUDIES - ENGL 2221 WORLD LITERATURE II			3
ENGL	3313	BRITISH LITERATURE I	3
ENGL	3301	THEORIES OF LANGUAGE I	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
2ND FIELD REQ.			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			21

SOPHOMORE SECOND SEMESTER

ENGL	3304	AMERICAN LITERATURE II	3
ENGL	3314	BRITISH LITERATURE II	3
ENGL	3302	THEORIES OF LANGUAGE II	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LAB: CLINICAL I	1
EDUC	3331	READING IN CONTENT AREAS	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			20

JUNIOR FIRST SEMESTER

ENGL	3303	AMERICAN LITERATURE I	3
GENERAL STUDIES - ENGL 3332			3
NARRATIVE & DESCRIPTIVE WRITING			3
ENGL	3---	GROUP ELECTIVE	3
JOUR	3312	THE PUBLICATIONS PROCESS	3
2ND FIELD REQ.			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			19

JUNIOR SECOND SEMESTER

ENGL	3355	YOUNG ADULT LITERATURE	3
ENGL	3374	SHAKESPEARE	3
ENGL	3---	GROUP ELECTIVE	3
2ND FIELD REQ.			3
2ND FIELD REQ.			3
			15

SENIOR FIRST SEMESTER

ENGL	3---	GROUP ELECTIVE	3
ENGL	3---	GROUP ELECTIVE	3
ENGL	4431	ENGLISH METHODS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LAB: CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3351L	LAB: CLINICAL II	1
			17

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORG/PRAC.	4
EDUC	4490	STUDENT TEACHING CLINICAL III	8
			12

FOLKLORE STUDIES

Students interested in the study of folklore and folklife learn to examine and analyze traditional expressive culture in all its forms. In every society, agricultural and industrial, rural and urban, folklore is a vital part of life. Since folklore study deals with so many forms of human expression which are typically transmitted by tradition, it is connected to all disciplines that deal with literature, art, and music, as well as anthropology, psychology, sociology, history, philosophy, linguistics, design and pedagogy.

A folklore studies specialization prepares the student for graduate studies and professional involvement in such areas as preservation, archiving, teaching, curating, historical parks management, museum interests, entertainment, and storytelling.

This interdisciplinary academic minor, which can be attached to most liberal arts majors, is one of the features of the Frank and Jane Gabor WV Folklife Center at FSU. Along with maintaining an academic program in the Department of Language and Literature, The Gabor WV Folklife Center is dedicated to the identification, preservation and perpetuation of our region's rich cultural heritage through academic studies, educational programs, festivals, performances, and publications, such as *Traditions: A Journal of West Virginia Folk Culture and Educational Awareness* and *Hillchild*: A Folklore Chapbook about, for, and by West Virginia Children.

MINOR IN FOLKLORE STUDIES .... 19-22 SEM. HRS.

FOLK	2200	INTRODUCTION TO FOLKLORE	3
FOLK	2201	FIELD RESEARCH/ORAL HISTORY TECHNIQUES	1
FOLK	3300	FOLK LITERATURE	3
FOLK	3301	MATERIAL CULTURE	3
FOLK	3302	REGIONAL CULTURAL GEOGRAPHY & HISTORY	3
FOLK	4400*	DIRECTED FOLKLORE STUDY	3-6
FOLK	4401	FOLKLORE APPLICATION	3

** Only 3 hours are required in FOLK 4400 that offer the following topics in directed study.*

- Appalachian African-American Lore
- Appalachian (Regional/Written) Literature and Film
- Archives/Collections Management
- Arthurian Legend: Comparative Folk Literature Study
- Children's Folklore
- Culture as Education
- Ethnography and Process and Storytelling
- Folk Arts
- Folk Dance
- Museum Studies
- Rural Education
- Traditional Folk Music, Vocal and Instrumental

- Urban and Popular Culture
- Vintage Clothing Preservation
- West Virginia Literature
- World Tale

** Note: If an existing course is available on campus reflecting any of these topics, a student may opt to take it, with the approval of the Folklore Studies director.*

FRENCH

French is the language of diplomacy and is a common language of education, business and the arts. It is the official language of the European Union, the second language of the United Nations, and is spoken in 40 countries on all continents. Students taking French courses enroll in a program aimed at developing skills in reading, speaking, listening and writing the language. At the same time, students develop linguistic proficiency through cultural knowledge of the history, arts and media of the Francophone world. The program is designed to encourage links with other disciplines across campus, and welcomes those preparing for careers in diverse areas.

The program is designed to engage students in a broad scope of activities in and outside the classroom. Coursework is communicative and task-based, and students interact with the instructor in the target language beginning with the first course. An online language lab provides support outside the classroom, and multimedia primary source materials form the basis of class discussions and activities. French majors are encouraged to spend at least one semester abroad in a French-speaking country, preferably as early as possible in their studies. Study abroad develops important personal, linguistic and cultural skills that prepare students for a global world and workplace.

Advanced placement allows French majors and minors with previous experience in the target language to accelerate their program. A placement exam will determine at what level the student may begin.

BACHELOR OF ARTS IN FRENCH ....128 SEM. HRS.

French Curriculum (see below)	33 SEM. HRS.
General Studies Requirements	41 SEM. HRS.
Free Electives	36 SEM. HRS.
Minor (optional)	18 SEM. HRS.

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN FRENCH GRADES 5-ADULT ....131 SEM. HRS.

French Curriculum (see below)	36 SEM. HRS.
General Studies Requirements	38 SEM. HRS.
Professional Education Courses	36 SEM. HRS.
Second Teaching Field	21 SEM. HRS.

- French Curriculum..............33 B.A./36 B.A. ED. SEM. HRS.

Required courses (33/36 hrs.)

FREN	1101	ELEMENTARY FRENCH I	3
FREN	1102	ELEMENTARY FRENCH II	3
FREN	2201	INTERMEDIATE FRENCH I	3
FREN	2202	INTERMEDIATE FRENCH II	3
FREN	3311	FRENCH COMPOSITION & CONVERSATION I	3
FREN	3312	FRENCH COMPOSITION & CONVERSATION II	3
FREN	3314	FRENCH CIVILIZATION AND CULTURE	3
FREN	3321	CONTEMPORARY LITERATURE	3
FREN	4411	ADV. FRENCH COMPOSITION AND CONVERSATION	3
FREN	4426	MAIN CURRENTS OF FRENCH LIT. AND CULTURE	3
FREN	4431	METHODS AND MATERIALS IN TEACHING FRENCH (REQUIRED FOR THE B.A. IN EDUCATION)	3

French Electives (3 hrs.)
Select one course from the following options.

FREN	1199	SPECIAL TOPICS IN FRENCH	3
FREN	2220	INTERMEDIATE TOPICS IN FRENCH	3
FREN	3310	ADVANCED TOPICS IN FRENCH	3
FREN	4998	UNDERGRADUATE RESEARCH	3

- Professional Education ....36 SEM. HRS.

Required for the B.A. in Education

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

BACHELOR OF ARTS IN FRENCH: MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

FREN 1101	ELEMENTARY FRENCH I	3
INFO 1100	COMP. CONCEPTS & APPLS.	3
ENGL 1104	WRITTEN ENGLISH	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE		3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE		3
		15

FRESHMAN SECOND SEMESTER

FREN 1102	ELEMENTARY FRENCH II	3
ENGL 1108	WRITTEN ENGLISH II	3
GENERAL STUDIES - COLLEGE-LEVEL MATH ELECTIVE		3
COMM 2200, 2201 OR 2202 COMMUNICATION		3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE		3
ELECTIVE		3
		18

SOPHOMORE FIRST SEMESTER

FREN 2201	INTERMEDIATE FRENCH I	3
GENERAL STUDIES - CULTURE/CIV.		3
MINOR		3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE		4
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE		3
		16

SOPHOMORE SECOND SEMESTER

FREN 2202	INTERMEDIATE FRENCH II	3
GENERAL STUDIES - CULTURE/CIV.		3
MINOR		3
ELECTIVE		3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE		4
		16

JUNIOR FIRST SEMESTER

FREN 3311	FRENCH COMPOSITION I	3
GENERAL STUDIES - CULTURE/CIV.		3
FREN ELECTIVE		3
ELECTIVE		3
MINOR		3
		15

JUNIOR SECOND SEMESTER

FREN	3312	FRENCH COMPOSITION II	3
FREN	3321	CONTEMPORARY LITERATURE	3
MINOR			3
ELECTIVE			3
ELECTIVE			3
			15

SENIOR FIRST SEMESTER

FREN	3314	FRENCH CIVILIZATION	3
MINOR			3
MINOR			3
ELECTIVE			3
ELECTIVE			3
			15

SENIOR SECOND SEMESTER

FREN	4411	ADVANCED FRENCH COMP.	3
FREN	4426	MAIN CURRENTS OF FRENCH LIT.	3
MINOR			3
MINOR			3
ELECTIVE			3
			15

MINOR IN FRENCH ......18 SEM. HRS. AT OR ABOVE FREN 2201

Required Courses (9 hrs.)

FREN	2201	INTERMEDIATE FRENCH I	3
FREN	2202	INTERMEDIATE FRENCH II	3
FREN	3311	FRENCH COMPOSITION & CONVERSATION I	3
-OR-			
FREN	3312	FRENCH COMPOSITION & CONVERSATION II	3

Electives (9 hrs.)
Select from any of the remaining courses listed under the French major.

JOURNALISM

The Journalism curriculum presents students with a comprehensive academic program and many choices for practical media experience. Students may select from the following Journalism programs:

I. Journalism as a minor, compatible with any four-year major in either the B.A. or B.S. degrees. This option provides non-teaching students with two choices:

1.) The 18-hour minor, applicable to any bachelor's degree or as preparation for students planning to transfer to a four-year program at another institution;
2.) The 18-hour Technical Writing Program, applicable also to any bachelor's degree, for those who want greater focus on writing and more preparation for the variety of commercial and industrial writing and editing careers available to them.

II. Journalism, as part of the Regents degree, with a combination of coursework and practical experience, is dependent upon individual programs and on administrative approval.

These programs provide additional expertise in journalism through staff work on the award-winning student publications – *The Columns*, the university's monthly newspaper; *Mound*, a yearbook; and *Whetstone*, a student art and literary journal. Students also develop professional skills through the required capstone experience (an internship with an off-campus media-related organization), in which students work under the supervision of professional journalists.

Students in the Journalism Program should consult the program coordinator either before enrolling or before the end of their first semester to determine an appropriate schedule and sequence of courses. All students in good standing are eligible to apply for staff work on student publications. To explore this option, students should consult the student publications advisor and the appropriate editor.

Journalism courses are open as electives to students in any field. Specific courses are required, however, of students in Graphics/Fine Arts (Journalism 2240 and 3312) and in English Education (Journalism 3312). Students in these programs should check with the program coordinator about course sequence and prerequisites. Because prospective teachers need to be aware of the impact of mass communications today, students in teacher education programs are encouraged to take one or more of the introductory courses, such as Reporting I, Communications and Society, and History of American Journalism.

As a way of developing the best journalism graduates possible, all journalism minors will be required to produce 150 inches of approved and published copy or 250 inches of approved and published art by the time they seek admission to their capstone professional internship. Copy and art approval comes from the program coordinator. The student newspaper, yearbook, and literary magazine are three sources for publishing this work and students are encouraged to utilize them in meeting this requirement.

The Journalism Program has six defined learning outcomes for students, who should be able to:

Relate the development of American journalism from its origins to its current status and evaluate the media's continued effects and influences on our democratic society.

Develop a comprehension of key free press issues including First Amendment rights allowing for a free press and free speech as well as develop an understanding of legal issues, such as libel, privacy, open records/meetings, and copyright; also develop an understanding of ethical issues as they relate to the media field.

Relate the study of television, film, radio, videotape, advertising, newspapers, web sites, and magazines as sources of information, persuasion and creative expression and develop an awareness of audience and purpose in evaluating mass media. Students will also develop an understanding of the methods by which to judge media critically and understand the use of persuasive language and strategies.

Demonstrate a basic understanding and application of the production methods of print and new media (computerized). This should also include demonstrating the basic theories of design as it relates to various printed and electronic pieces. Students should also develop a production skill set for using the latest software technology.

Develop an understanding and application-level skills as they relate to reporting news events; this includes the development of skills associated with proper news gathering methods from documents and interviews as well as observations.

Develop proper skills associated with writing news stories while adhering to fundamental rules of truth, accuracy, fairness, and ethics. This will also include an understanding of proper style and grammar as well as story development.

Gain appropriate experience by completing an internship at an approved media outlet.

PRE-JOURNALISM CURRICULUM

The journalism minor may also be used in most cases as a pre-journalism curriculum by students planning to transfer at the beginning of their junior year. Students enrolled in this program should consult the college where they will complete their degree for additional course requirements, as Fairmont State University does not have an articulation agreement with any school of journalism. The journalism coordinator should be consulted before enrolling in courses beyond the basic reporting course, JOUR 2240.

In addition to the basic General Studies courses required for any four-year degree, pre-journalism students should enroll in courses listed with information about the journalism minor.

Pre-journalism students must participate actively in the publication of the student newspaper, *The Columns*, and the yearbook, *Mound*, in order to receive departmental recommendation.

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN JOURNALISM GRADES 5-ADULT .... 128-131 SEM. HRS.

Journalism Curriculum (see below)	24 SEM. HRS.
General Studies Requirements	38 SEM. HRS.
Professional Education Courses	36 SEM. HRS.
Second Teaching Field	18-21 SEM. HRS.
Free Electives	12 SEM. HRS.

- Journalism Curriculum..................................24 SEM. HRS.

Required courses (24 hrs.)

JOUR	2240	REPORTING I (AND L2240)	3
JOUR	2270	COMMUNICATIONS IN SOCIETY	3
JOUR	2280	HISTORY OF AMERICAN JOURNALISM	3
JOUR	3312	THE PUBLICATIONS PROCESS	3
JOUR	3334	NEWS PHOTOGRAPHY	3
JOUR	3341	JOURNALISM PRACTICE	3
MKTG	3320	ADVERTISING AND SALES PROMOTION	3
ENGL	4431	METHODS AND MATERIALS	3

(MKTG 3320 AND ENGL 4431 ARE REQUIRED FOR THE B.A. IN JOURNALISM EDUCATION.)

- Professional Education ....36 SEM. HRS.

Required for the B.A. in Education

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

BACHELOR OF ARTS IN JOURNALISM EDUCATION: MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

JOUR	2270	COMMUNICATIONS IN SOCIETY	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
INFO	1100	COMP. CONCEPTS & APPLS.	3
ENGL	1104	WRITTEN ENGLISH	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			18

FRESHMAN SECOND SEMESTER

JOUR	2280	HISTORY OF AMERICAN JOURNALISM	3
ENGL	1108	WRITTEN ENGLISH II	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
GENERAL STUDIES - COLLEGE-LEVEL MATH ELECTIVE			3
COMM	2200, 2201 OR 2202	COMMUNICATION	3
ELECTIVE			3
			18

SOPHOMORE FIRST SEMESTER

JOUR	2240L	REPORTING I	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
GENERAL STUDIES - CULTURE/CIV.			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			16

SOPHOMORE SECOND SEMESTER

JOUR	3312	THE PUBLICATIONS PROCESS	3
JOUR	3342	JOURNALISM PRACTICUM (ELECTIVE)	1
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LAB: CLINICAL I	1
GENERAL STUDIES - CULTURE/CIV.			3
SECOND TEACHING FIELD			3
ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			21

JUNIOR FIRST SEMESTER

JOUR	3334	NEWS PHOTOGRAPHY	3
JOUR	3342	JOURNALISM PRACTICUM (ELECTIVE)	1-3
GENERAL STUDIES - CULTURE/CIV.			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY (ELECTIVE)			3
SECOND TEACHING FIELD			3
ELECTIVE			3
			16-18

JUNIOR SECOND SEMESTER

MKTG	3320	ADVERTISING AND SALES PROMOTION	3
JOUR	3342	JOURNALISM PRACTICUM (ELECTIVE)	1-3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LAB: CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LAB: CLINICAL II	1
SECOND TEACHING FIELD			3
			14-16

SENIOR FIRST SEMESTER

JOUR	3341	JOURNALISM PRACTICE	3
JOUR	4431	METHODS AND MATERIALS	3
JOUR	3342	JOURNALISM PRACTICUM (ELECTIVE)	1-3
SECOND TEACHING FIELD			3
SECOND TEACHING FIELD			3
			13-15

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8
			12

PRE-JOURNALISM OR JOURNALISM MINOR ....18 SEM. HRS.

Required courses (18 hrs.)

JOUR	2240	REPORTING I (AND L2240)	3
JOUR	2270	COMMUNICATIONS IN SOCIETY	3

JOUR	2280	HISTORY OF AMERICAN JOURNALISM	3
JOUR	3312	THE PUBLICATIONS PROCESS	3
JOUR	3334	NEWS PHOTOGRAPHY	3
JOUR	3341	JOURNALISM PRACTICE	3

JOURNALISM MINOR: TECHNICAL WRITING OPTION .... 18 SEM. HRS.

Required courses (15 hrs.)

ENGL	1109	TECHNICAL REPORT WRITING	3
ENGL	3301	THEORIES OF LANGUAGE I	3
JOUR	2240	REPORTING I (AND L2240)	3
JOUR	3312	THE PUBLICATIONS PROCESS	3
JOUR	3341	JOURNALISM PRACTICE	3

Electives (3 hrs.)
(Select one of the two courses below.)

ENGL	3333	WRITING NON-FICTION	3
ENGL	3349	ADVANCED TECHNICAL COMMUNICATION	3

(In addition, the following electives are suggested but not required.)

ENGL	3302	THEORIES OF LANGUAGE II	3
ENGL	3333	WRITING NON-FICTION	3
ENGL	3349	ADVANCED TECHNICAL COMMUNICATION	3
JOUR	3334	NEWS PHOTOGRAPHY	3

SPANISH

With more than forty million Spanish speakers, Spanish is now the second most-spoken language in the U.S., and employment opportunities are significantly strengthened for majors. In education, there is widespread need for Spanish teachers at all levels. In many places, Spanish proficiency has become essential for such professions as social work, criminal justice, business and banking, and allied health areas. Spanish courses at Fairmont State University are designed to develop students' skills in speaking, comprehension, reading, and writing the language. They will also gain an understanding of Hispanic culture both outside and inside the United States. Students preparing to teach Spanish and those wishing to integrate Spanish into their chosen professions will be able to choose from a variety of courses aimed at helping them reach their career goals.

Spanish majors are strongly encouraged to spend at least one semester abroad in a Spanish-speaking country, preferably but not necessarily in their junior year. Students have the option of traveling to a Spanish-speaking country and doing research on an approved topic, for which they will receive 3-6 credit hours (SPAN 4402). Students in approved internships (SPAN 3300) will receive 3-6 upper-division credit hours, depending upon the type and duration of the internship.

Advanced Placement allows Spanish majors and minors with previous experience in the target language to accelerate their program. A placement exam will determine at what level the student may begin.

BACHELOR OF ARTS IN SPANISH .... 128 SEM. HRS.

Spanish Curriculum (see below) .... 42 SEM. HRS.
General Studies Requirements .... 41 SEM. HRS.
Free Electives .... 21 SEM. HRS.
Minor (optional) .... 24 SEM. HRS.

- Spanish Curriculum .... 42 SEM. HRS.

Required courses (33 hrs.)

SPAN	1101	ELEMENTARY SPANISH I	3
SPAN	1102	ELEMENTARY SPANISH II	3
SPAN	2201	INTERMEDIATE SPANISH I	3
SPAN	2202	INTERMEDIATE SPANISH II	3
SPAN	3301	SPANISH COMPOSITION & CONVERSATION I	3
SPAN	3302	SPANISH COMPOSITION & CONVERSATION II	3
SPAN	3310	SPANISH CIVILIZATION & CULTURE	3
- OR -			
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE	3
SPAN	3350	HISTORY OF THE SPANISH LANGUAGE	3
SPAN	4400	SURVEY OF LATIN AMERICAN LITERATURE	3
SPAN	4401	SURVEY OF PENINSULAR LITERATURE	3
SPAN	4431	METHODS: SECOND LANGUAGE ACQUISITION	3

Spanish Electives (9 hrs.)
(Students may select from the following list or choose other courses approved by their advisor.)

SPAN	1199	SPECIAL TOPICS	3
SPAN	2200	LANGUAGE THROUGH VIDEO	3
SPAN	2250	SPANISH FOR THE MEDICAL PROFESSIONS	3
SPAN	2251	SPANISH FOR CRIMINAL JUSTICE	3
SPAN	2252	SPANISH FOR THE WORLD ECONOMY	3
SPAN	3300	UNDERGRADUATE INTERNSHIP	3-6
SPAN	4402	INDEPENDENT STUDY	3-6
SPAN	4418	US HISPANIC CULTURES & LITERATURE	3

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN SPANISH GRADES PRE K-ADULT .... 128 SEM. HRS.

Spanish Curriculum (see below) .... 36 SEM. HRS.
General Studies Requirements .... 35 SEM. HRS.
Professional Education Courses .... 36 SEM. HRS.
Free Electives .... 21 SEM. HRS.

- Spanish Curriculum .... 36 SEM. HRS.

Required courses (33 hrs.)

SPAN	1101	ELEMENTARY SPANISH I	3
SPAN	1102	ELEMENTARY SPANISH II	3
SPAN	2201	INTERMEDIATE SPANISH I	3
SPAN	2202	INTERMEDIATE SPANISH II	3
SPAN	3301	SPANISH COMPOSITION & CONVERSATION I	3
SPAN	3302	SPANISH COMPOSITION & CONVERSATION II	3
SPAN	3310	SPANISH CIVILIZATION & CULTURE	3
- OR -			
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE	3
SPAN	3350	HISTORY OF THE SPANISH LANGUAGE	3
SPAN	4400	SURVEY OF LATIN AMERICAN LITERATURE	3
SPAN	4401	SURVEY OF PENINSULAR LITERATURE	3
SPAN	4431	METHODS: SECOND LANGUAGE ACQUISITION	3

Spanish Electives (3 hrs.)
(Students may select from the following list or choose other courses approved by their advisor.)

SPAN	1199	SPECIAL TOPICS	3
SPAN	2200	LANGUAGE THROUGH VIDEO	3
SPAN	3300	UNDERGRADUATE INTERNSHIP	3-6
SPAN	3310	SPANISH CIVILIZATION AND CULTURE	3
- OR -			
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE	3
SPAN	4402	INDEPENDENT STUDY	3-6
SPAN	4418	US HISPANIC CULTURES & LITERATURE	3

- Professional Education ....36 SEM. HRS.

  Required for the B.A. in Education

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

BACHELOR OF ARTS IN SPANISH: MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

SPAN	1101	ELEMENTARY SPANISH I	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMP. CONCEPTS & APPLS.	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			15

FRESHMAN SECOND SEMESTER

SPAN	1102	ELEMENTARY SPANISH II	3
ENGL	1108	WRITTEN ENGLISH II	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - COLLEGE-LEVEL MATH ELECTIVE			3
COMM 2200, 2201 OR 2202 COMMUNICATION			3
MINOR/ELECTIVE			3
			18

SOPHOMORE FIRST SEMESTER

SPAN	2201	INTERMEDIATE SPANISH I	3
GENERAL STUDIES CULT./CIV.			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
MINOR			3
			16

SOPHOMORE SECOND SEMESTER

SPAN	2202	INTERMEDIATE SPANISH II	3
GENERAL STUDIES CULT./CIV.			3
MINOR			3
ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

JUNIOR FIRST SEMESTER

SPAN	3301	SPANISH COMPOSITION & CONVERSATION. I	3
SPAN	3310	SPANISH CIVILIZATION & CULTURE	
-OR-			
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE	3
MINOR			3
ELECTIVE			3
ELECTIVE			3
			15

JUNIOR SECOND SEMESTER

SPAN	3302	SPANISH COMPOSITION & CONVERSATION II	3
SPAN ELECTIVE			3
MINOR			3
MINOR			3
ELECTIVE			3
			15

SENIOR FIRST SEMESTER

SPAN ELECTIVE			3
SPAN	4400	SURVEY OF LATIN AMERICAN LITERATURE	3
MINOR			3
MINOR			3
ELECTIVE			3
			15

SENIOR SECOND SEMESTER

SPAN	4401	SURVEY OF PENINSULAR LITERATURE	3
SPAN	4431	METHODS: SPAN. LANG. ACQ.	3
MINOR			3
ELECTIVE			3
ELECTIVE			3
SPAN ELECTIVE			3
			18

MINOR IN SPANISH ....24 SEM. HRS.

Required courses (24 hrs.)

SPAN	1101	ELEMENTARY SPANISH I	3
SPAN	1102	ELEMENTARY SPANISH II	3
SPAN	2201	INTERMEDIATE SPANISH I	3
SPAN	2202	INTERMEDIATE SPANISH II	3
SPAN	3301	SPANISH COMPOSITION & CONVERSATION I	3
SPAN	3302	SPANISH COMPOSITION & CONVERSATION II	3
SPAN	3310	SPANISH CIVILIZATION AND CULTURE	3
- OR -			
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE	3
SPAN	4400	SURVEY OF LATIN AMERICAN LITERATURE	3
- OR -			
SPAN	4401	SURVEY OF PENINSULAR LITERATURE	3

Department of Social Science

Dr. Lennie Shaw, Interim Chair
1101 Hardway Hall / (304) 367-4758
Lennie.Shaw@fairmontstate.edu

FACULTY

BARTOLO, ANN D. (2001)
Temporary Instructor of Criminal Justice

DAVEY, FRANCES (2009)
Temporary Assistant Professor of History

MILLEN-PENN, KENNETH (1995)
Professor of History

MYERS, JENNIFER (2009)
Assistant Professor of Criminal Justice
Graduate Faculty

NOONE, DIANA C. (2004)
Associate Professor of Criminal Justice
Graduate Faculty

NOONE, GREGORY P. (2007)
Assistant Professor of Political Science & Law

PODLASKOWSKI, ADAM (2009)
Assistant Professor of Philosophy

RADULOVICH, NENAD (2006)
Temporary Assistant Professor of History
& Social Studies Education

RYAN, PATRICIA P. (1966)
Professor of Political Science
Graduate Faculty

SHAW, LENNIE E. (2008)
Temporary Assistant Professor of Criminal Justice
Graduate Faculty

SHIELDS, CHARLES (1996)
Professor of Criminal Justice
Graduate Faculty

SHIELDS, DEANNA (1982)
Professor of Criminal Justice
Graduate Faculty

CRIMINAL JUSTICE

Criminal Justice examines the structure, functions, and decision-making processes of agencies that deal with crime and criminal offenders. As an independent academic discipline, criminal justice is comparatively new. Interest in criminal justice education was spurred by the "war on crime"during the 1960s and the resulting massive federal funding to upgrade criminal justice agencies, technology, programming and education of criminal justice personnel.

Faculty in this program provide expertise in law enforcement, investigations, corrections, criminal law and theory. The Bachelor of Science in Criminal Justice allows the student to choose an area of concentration, either law enforcement or corrections. Majors are assigned a faculty advisor who will assist in selection of courses relevant to individual interests and career aspirations.

Students with a B.S. degree in criminal justice qualify for employment in city, county, state and federal criminal justice agencies, and in the rapidly-growing private industrial security field. A number of graduates continue their education in graduate programs in criminal justice, criminology or law. The program also offers a Master of Science in Criminal Justice degree.

PRE-LAW STUDIES

Students planning to apply to most law schools may complete a four-year undergraduate degree in any major at Fairmont State University. According to the web site for the West Virginia University School of Law, " Whatever major an applicant decides to pursue should be augmented by a well-rounded variety of course selections that might include philosophy, writing, logic, history, literature, and fundamentals of accounting. The University urges applicants to engage in a curriculum that demands intellectual self-discipline and develops reading, writing, verbal, and analytical skills." Students should carefully consult the pre-law advisor at FSU and the catalog of the law school they plan to attend for more information. Pre-Law Advisor: Charles Shields, 110B Hardway Building, 367-4114, cshields@fairmontstate.edu

BACHELOR OF SCIENCE IN CRIMINAL JUSTICE......................................128 SEM. HRS.

Criminal Justice Courses (see below) ....42 SEM. HRS.
Social and Behavioral Science ....21 SEM. HRS.
General Studies Requirements......................41 SEM. HRS.
Free Electives...24 SEM. HRS.

No Minor Required

Criminal Justice Required Courses....................27 SEM. HRS.

CRJU	1100	INTRODUCTION TO CRIMINAL JUSTICE	3
CRJU	1101	POLICE OPERATIONS	3
CRJU	2202	PRINCIPLES OF CRIMINAL LAW	3
CRJU	2206	INTRODUCTION TO CORRECTIONS	3
CRJU	2240	ADJUDICATION PROCESS	3
CRJU	2250	CYBERCRIME	3
CRJU	2295	ETHICS IN CRIMINAL JUSTICE	3
CRJU	3320	CRIMINOLOGY	3
*CRJU	4410	RESEARCH IN CRIMINAL JUSTICE	3
- OR -			
*CRJU	4425	EVALUATION OF CRIMINAL JUSTICE SYSTEM	3

**Students may take both courses and count one toward concentration requirements. Students may NOT count one toward both requirements*

- Concentrations ....15 SEM. HRS.

Choose Law Enforcement, Corrections, or Digital Forensics. (Students must apply and receive the approval of the Chair of Social Sciences to choose Digital Forensics as a concentration.)

LAW ENFORCEMENT

(Must include a minimum of 12 hours of 3300-4400 level courses.)

CRJU	1199	SPECIAL TOPICS	1-12
CRJU	2203	COMPUTER CRIME	3
CRJU	2205	NATURAL RESOURCES LAWS	3
CRJU	2209	FIREARMS	3
CRJU	2212	DEVIANT BEHAVIOR	3
CRJU	2215	INTRODUCTION TO PRIVATE SECURITY	3
CRJU	2218	POLICE ADMINISTRATION	3
CRJU	2220	JUVENILE JUSTICE PROCESS	3
CRJU	2226	CRIME SCENE INVESTIGATION	3
CRJU	2236	CRIMINAL INVESTIGATION	3
CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	2256	HOMICIDE INVESTIGATION	3
CRJU	2266	SEX CRIMES	3
CRJU	3300	CRIMINALISTICS	3
CRJU	3304	THE FEMALE OFFENDER	3
CRJU	3305	CHANGING ROLES OF WOMEN IN CRIMINAL JUSTICE	3
CRJU	3310	COMPARATIVE CRIMINAL JUSTICE	3
CRJU	3325	ANALYSIS OF SECURITY OPERATIONS	3
CRJU	3335	ANALYSIS OF POLICE OPERATIONS	3
CRJU	3340	LAWS OF ARREST, SEARCH AND SEIZURE	3
CRJU	3365	LICIT AND ILLICIT DRUGS	3
CRJU	3370	ECONOMIC CRIME	3
CRJU	3399	SPECIAL TOPICS IN CRIMINAL JUSTICE	3-9
CRJU	4401	INDEPENDENT STUDY	1-6
CRJU	4405	TERRORISM	3
CRJU	4411	FIELD PRACTICUM	3-12
CRJU	4415	COMMUNITY POLICING	3
CRJU	4420	LEGAL RESEARCH	3

CORRECTIONS

(Must include a minimum of 12 hours of 3300-4400 level courses.)

CRJU	1199	SPECIAL TOPICS	1-12
CRJU	2203	COMPUTER CRIME	3
CRJU	2209	FIREARMS	3
CRJU	2212	DEVIANT BEHAVIOR	3
CRJU	2220	JUVENILE JUSTICE PROCESS	3
CRJU	2236	CRIMINAL INVESTIGATION	3
CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	2255	LAW OF CORRECTIONS	3
CRJU	2266	SEX CRIMES	3
CRJU	3300	CRIMINALISTICS	3
CRJU	3304	THE FEMALE OFFENDER	3
CRJU	3305	CHANGING ROLES OF WOMEN IN CRIMINAL JUSTICE	3

CRJU	3310	COMPARATIVE CRIMINAL JUSTICE	3
CRJU	3330	GROUP DISTURBANCES	3
CRJU	3340	LAWS OF ARREST, SEARCH AND SEIZURE	3
CRJU	3350	GROUP TECHNIQUES	3
CRJU	3355	ANALYSIS OF CORRECTIONAL OPERATIONS	3
CRJU	3360	COMMUNITY BASED CORRECTIONS	3
CRJU	3365	LICIT AND ILLICIT DRUGS	3
CRJU	3370	ECONOMIC CRIME	3
CRJU	3399	SPECIAL TOPICS IN CRIMINAL JUSTICE	3-9
CRJU	4401	INDEPENDENT STUDY	1-6
CRJU	4405	TERRORISM	3
CRJU	4411	FIELD PRACTICUM	3-12
CRJU	4420	LEGAL RESEARCH	3

DIGITAL FORENSICS

(must include a minimum of 12 hours at the 3300-4400 level)

Students seeking to obtain a concentration in Digital Forensics must apply and receive approval from the Chair of Social Sciences. The minimum requirements include a criminal background check and United States citizenship. Applicants must also have a 2.7 overall GPA.

CRJU	1199	SPECIAL TOPICS	3
CRJU	2212	DEVIANT BEHAVIOR	3
CRJU	2215	INTRODUCTION TO PRIVATE SECURITY	3
CRJU	2226	CRIME SCENE INVESTIGATION	3
CRJU	2236	CRIMINAL INVESTIGATION	3
CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	3315	DIGITAL SEIZURE AND ANALYSIS	3
CRJU	3345	COMPUTER FORENSICS I	3
CRJU	3370	ECONOMIC CRIME	3
CRJU	3399	SPECIAL TOPICS IN CRIMINAL JUSTICE	3
CRJU	4430	COMPUTER FORENSICS II	3
CRJU	4440	INTERNET FORENSICS	3
CRJU	4445	ADVANCED COMPUTER FORENSICS INVEST. SEMINAR	3
CRJU	4401	INDEPENDENT STUDY	3
CRJU	4411	FIELD PRACTICUM	3

- SOCIAL AND BEHAVIORAL SCIENCES...........21 SEM. HRS.

Student must choose 21 hours from any upper level (2200-4400) courses in Geography, History, National Security and Intelligence, Political Science, Philosophy, Psychology, or Sociology excluding introductory courses. Courses must be chosen from at least three disciplines. Students interested in pursuing a criminal justice master's degree must include Psychology 2240-Statistics.

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL 1104 WRITTEN ENGLISH I	3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION	3
GENERAL STUDIES - ARTISTIC/CREATIVE/ INTERDISCIPLINARY	3
CRJU 1100 INTRODUCTION TO CRIMINAL JUSTICE	3
FREE ELECTIVE	3
	15

FRESHMAN SECOND SEMESTER

ENGL 1108 WRITTEN ENGLISH II	3
COMM 2202 INTRO TO COMM IN THE WORLD OF WORK	3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION	3
CRJU 1101 POLICE OPERATIONS	3
CRJU 2206 INTRODUCTION TO CORRECTIONS	3
	15

SOPHOMORE FIRST SEMESTER

ENGL 2220 OR 2230 (SEE GENERAL STUDIES REQUIREMENTS)	3
INFO 1100 COMPUTER CONCEPTS & APPS	3
GENERAL STUDIES - COLLEGE-LEVEL MATH	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
CRJU 2250 CYBERCRIME	3
	16

SOPHOMORE SECOND SEMESTER

ENGL 2221 OR 2231(SEE GENERAL STUDIES REQUIREMENTS)	3
GENERAL STUDIES - - ARTISTIC/CREATIVE/ INTERDISCIPLINARY	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
CRJU 2202 PRINCIPLES OF CRIMINAL LAW	3
CRJU 2240 ADJUDICATION PROCESS	3
	16

JUNIOR FIRST SEMESTER

SOCIAL AND BEHAVIORAL SCIENCE	3
SOCIAL AND BEHAVIORAL SCIENCE	3
CRJU 2295 ETHICS IN CRIMINAL JUSTICE	3
CRJU 3320 CRIMINOLOGY	3
FREE ELECTIVE	3
FREE ELECTIVE	3
	18

JUNIOR SECOND SEMESTER

SOCIAL AND BEHAVIORAL SCIENCE	3
SOCIAL AND BEHAVIORAL SCIENCE	3
CJ CONCENTRATION (2200 LEVEL)	3
CJ CONCENTRATION (3300/4400 LEVEL)	3
FREE ELECTIVE	3
	15

SENIOR FIRST SEMESTER

SOCIAL AND BEHAVIORAL SCIENCE	3
SOCIAL AND BEHAVIORAL SCIENCE	3
CJ CONCENTRATION(3300/4400 LEVEL)	3
CRJU 4410 RESEARCH IN CRIMINAL JUSTICE	3
-OR-	
CRJU 4425 EVALUATION OF CRIMINAL JUSTICE SYSTEM	3
FREE ELECTIVE	3
FREE ELECTIVE	3
	18

SENIOR SECOND SEMESTER

SOCIAL AND BEHAVIORAL SCIENCE	3
CJ CONCENTRATION (3300/4400 LEVEL)	3
CJ CONCENTRATION (3300/4400 LEVEL)	3
FREE ELECTIVE	3
FREE ELECTIVE	3
	15

MINOR IN CRIMINAL JUSTICE ....18 SEM. HRS.

Required Courses (9 hrs.)

CRJU	1100	INTRODUCTION TO CRIMINAL JUSTICE	3
CRJU	1101	POLICE OPERATIONS	3
CRJU	2206	INTRODUCTION TO CORRECTIONS	3

Electives (9 hrs.)
Students must choose CRJU courses from the 3300-4400 level.

HISTORY

Every person, every place, every thing on earth has a history, a story of its past that can help us understand human existence and human behavior. The History Program's major and minor draw upon a broad curriculum that encompasses regional, national, and international history, as well as such special topics as the revolutions in history and diplomatic history. The History Program offers two types of majors. The Bachelor of Arts degree has the traditional emphasis on language skills, especially through study of a foreign language. It is a good choice for students thinking about postgraduate study. The Bachelor of Science degree develops basic capabilities in statistics and computer science. It is a good choice for students interested in the modern social science approach to historical understanding.

The great advantages of historical study are:

1) Emphasis on developmental and evolutionary aspects of human experience.
2) Examination of many different fields of human activity.
3) Use of insights and methods of many other fields.

Students completing a bachelor's degree in history may enter professional practice in academic history (teaching and writing), public history (archives and special research, consultancy) or publishing (print, electronic, film and television documentary). The history major also provides excellent preparation for careers in law, government, politics, foreign service, historical preservation and journalism.

BACHELOR OF ARTS IN HISTORY	128 SEM. HRS.
History Courses	45 SEM. HRS.
General Studies Requirements	38 SEM. HRS.
Foreign Language Requirements	12 SEM. HRS.
Free Electives	30 HRS.
Additional Requirement	3 HRS.
No Minor Required	

- Required History Courses .... 18 HRS.

HIST	1107	UNITED STATES HISTORY I	3
HIST	1108	UNITED STATES HISTORY II	3
HIST	2211	WORLD CIVILIZATIONS I	3
HIST	2212	WORLD CIVILIZATIONS II	3
HIST	2213	WORLD CIVILIZATIONS III	3
HIST	4498	SENIOR SEMINAR	3

- Advanced History Electives .... 27 HRS.

Selected with advisor's approval. Advanced electives may be taken only when prerequisites are met or with the instructor's permission.

HIST	3301	HISTORY OF INTELLIGENCE AND NATIONAL SECURITY	3
HIST	3302	WEST VIRGINIA HISTORY	3
HIST	3310	DIPLOMATIC HISTORY OF THE UNITED STATES	3
HIST	3315	COLONIAL AMERICA	3
HIST	3316	THE EARLY REPUBLIC	3
HIST	3317	CIVIL WAR AND RECONSTRUCTION	3
HIST	3318	GILDED AGE TO THE GREAT CRASH	3
HIST	3319	RECENT AMERICA	3
HIST	3333	SOCIAL HISTORY OF THE AMERICAN WOMAN	3
HIST	3344	AFRICAN-AMERICAN HISTORY AND CULTURE	3
HIST	3351	HISTORY OF ENGLAND	3
HIST	3352	HISTORY OF RUSSIA	3
HIST	4405	HISTORY OF AFRICA	3
HIST	4410	HISTORY OF ASIA	3
HIST	4420	HISTORY OF LATIN AMERICA	3
HIST	4425	MEDIEVAL EUROPE	3
HIST	4428	RENAISSANCE AND REFORMATION	3
HIST	4429	AGE OF ABSOLUTISM	3
HIST	4430	19TH CENTURY EUROPE	3
HIST	4431	RECENT EUROPE	3
HIST	4455	REVOLUTIONS IN HISTORY	3
HIST	4475	PHILOSOPHY OF HISTORY	3
HIST	4499	SPECIAL TOPICS	3

- Additional Requirement 3

ENGL	3332	NARRATIVE & DESCRIPTIVE WRITING	3
- OR -			
ENGL	3333	WRITING NON-FICTION	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL 1104 WRITTEN ENGLISH I	3
THEA, MUSIC, ART APPREC. 1120	3
HIST 1107 U.S. HISTORY I	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
FOREIGN LANGUAGE - FRENCH OR SPANISH	3
	16

FRESHMAN SECOND SEMESTER

ENGL 1108 WRITTEN ENGLISH II	3
HIST 1108 U.S. HISTORY II	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
FOREIGN LANGUAGE - FRENCH OR SPANISH	3
COMM 2200 INTRO TO HUMAN COMMUNICATION	3
	16

SOPHOMORE FIRST SEMESTER

ENGL 2220/2230 WORLD LIT I OR INTRO TO LIT. I	3
HIST 2211 WORLD CIVILIZATION I	3
MATH (COLLEGE LEVEL)	3
SSCI/HUMANITIES	3
FOREIGN LANGUAGE - FRENCH OR SPANISH	3
	15

SOPHOMORE SECOND SEMESTER

ENGL 2221/2231 WORLD LIT II OR INTRO LIT II	3
HIST 2212 WORLD CIVILIZATIONS II	3
SSCI/HUMANITIES	3
INFO 1100 COMP. CONCEPTS & APP.	3
HISTORY ELECTIVE #1	3
FOREIGN LANGUAGE - FRENCH OR SPANISH	3
	18

JUNIOR FIRST SEMESTER

HIST 2213 WORLD CIVILIZATIONS III	3
HISTORY ELECTIVE #2	3
HISTORY ELECTIVE #3	3
HISTORY ELECTIVE #4	3
FREE ELECTIVE	3
ENGL 3332/3333 NARR DESC WRITING/NON-FICTION	3
	18

JUNIOR SECOND SEMESTER

HISTORY ELECTIVE #5	3
HISTORY ELECTIVE #6	3
ARTISTIC/CREATIVE EXPRESSION INTERDISCIPLINARY (#2)	3
FREE ELECTIVE	3
FREE ELECTIVE	3
	15

SENIOR FIRST SEMESTER

HIST 4498 SENIOR SEMINAR	3
HISTORY ELECTIVE (#7)	3
HISTORY ELECTIVE (#8)	3
FREE ELECTIVE	3
FREE ELECTIVE	3
	15

SENIOR SECOND SEMESTER

HISTORY ELECTIVE (#9)	3
FREE ELECTIVE	3
FREE ELECTIVE	3
FREE ELECTIVE	3
FREE ELECTIVE	3
	15

BACHELOR OF SCIENCE IN HISTORY	128 SEM. HRS.
History Courses	45 HRS.
General Studies Requirements	41 HRS.
Additional Requirements	12 HRS.
Free Electives	30 HRS.
No Minor Required	

- Required History Courses .... 18 HRS.

HIST	1107	UNITED STATES HISTORY I	3
HIST	1108	UNITED STATES HISTORY II	3
HIST	2211	WORLD CIVILIZATIONS I	3
HIST	2212	WORLD CIVILIZATIONS II	3
HIST	2213	WORLD CIVILIZATIONS III	3
HIST	4498	SENIOR SEMINAR	3

- Advanced History Electives .... 27 HRS.

Selected with advisor's approval. Advanced electives may be taken only when prerequisites are met or with the instructor's permission.

HIST	3301	HISTORY OF INTELLIGENCE AND NATIONAL SECURITY	3
HIST	3302	WEST VIRGINIA	3
HIST	3310	DIPLOMATIC HISTORY OF THE UNITED STATES	3
HIST	3315	COLONIAL AMERICA	3
HIST	3316	THE EARLY REPUBLIC	3
HIST	3317	CIVIL WAR AND RECONSTRUCTION	3
HIST	3318	GILDED AGE TO THE GREAT CRASH	3
HIST	3319	RECENT AMERICA	3
HIST	3333	SOCIAL HISTORY OF THE AMERICAN WOMAN	3
HIST	3344	AFRICAN-AMERICAN HISTORY AND CULTURE	3
HIST	3351	HISTORY OF ENGLAND	3
HIST	3352	HISTORY OF RUSSIA	3
HIST	4405	HISTORY OF AFRICA	3
HIST	4410	HISTORY OF ASIA	3
HIST	4420	HISTORY OF LATIN AMERICA	3
HIST	4425	MEDIEVAL EUROPE	3
HIST	4428	RENAISSANCE AND REFORMATION	3
HIST	4429	AGE OF ABSOLUTISM	3
HIST	4430	19TH CENTURY EUROPE	3
HIST	4431	RECENT EUROPE	3
HIST	4455	REVOLUTIONS IN HISTORY	3
HIST	4475	PHILOSOPHY OF HISTORY	3
HIST	4499	SELECTED TOPICS	3

- Additional Requirements .... 12 HRS.

ENGL	3332	NARRATIVE & DESCRIPTIVE WRITING	3
- OR -			
ENGL	3333	WRITING NON-FICTION	3
- AND-			
SOCY	2240	NONPARAMETRIC STATISTICS	3
- OR -			
POLI	2240	NON PARAMETRIC STATISTICS	3
- AND -			
SOCIAL/BEHAVIORAL ELECTIVES			6 HRS.

Students must choose from the following list:

ECON	2200	ECONOMICS	3
ENGL	3382	THE WORLD NOVEL	3
INTR	2200	RACE, CLASS, AND GENDER IN POP CLTR	3
PHIL	2250	THE GREAT PHILOSOPHERS	3
PHIL	3325	ETHICS	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3
POLI	3304	AMER. CONSTITUTIONAL GOVERNMENT AND LAW	3
PSYC	2220	HISTORY OF PSYCHOLOGY	3
PSYC	2230	SOCIAL PSYCHOLOGY	3
SOCY	1111	INTRODUCTION TO ANTHROPOLOGY	3
SOCY	3360	METHODS OF SOCIAL RESEARCH	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL 1104 WRITTEN ENGLISH I	3
THEA, MUSIC, ART APPREC 1120	3
MATH (COLLEGE LEVEL)	3
HIST 1107 U.S. HISTORY I	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
	16

FRESHMAN SECOND SEMESTER

ENGL 1108 WRITTEN ENGLISH II	3
HIST 1108 U.S. HISTORY II	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
INFO 1100 COMP. CONCEPTS & APPLS.	3
COMM 2200 INTRO TO HUMAN COMMUNICATION	3
	16

SOPHOMORE FIRST SEMESTER

ENGL 2220/2221/2230 WORLD LIT I, II/INTRO TO LIT I	3
HIST 2211 WORLD CIVILIZATION I	3
POLI 2240 NONPAR STATISTICS	3
- OR -	
SOCY 2240 NONPAR STATISTICS	3
SSCI/HUMANITIES	3
HIST ELECTIVE #1	3
	15

SOPHOMORE SECOND SEMESTER

ENGL 2220/2221/2231 WORLD LIT I, II/INTRO TO LIT II	3
HIST 2212 WORLD CIVILIZATIONS II	3
SSCI/HUMANITIES	3
HIST ELECTIVE #2	3
FREE ELECTIVE	3
	15

JUNIOR FIRST SEMESTER

HIST 2213 WORLD CIVILIZATIONS III	3
HIST ELECTIVE #3	3
HIST ELECTIVE #4	3
CULTURE/CIVILIZATION EXPLORATION	3
FREE ELECTIVE	3
ENGL 3332/3333 NARR DESC WRITING / NON-FICTION	3
	18

JUNIOR SECOND SEMESTER

HIST ELECTIVE #5	3
HIST ELECTIVE #6	3
FREE ELECTIVE	3
FREE ELECTIVE	3
SOC/BEHAV ELECT.	3
	15

SENIOR FIRST SEMESTER

HIST 4498 SENIOR SEMINAR	3
HIST ELECTIVE #7	3
HIST ELECTIVE #8	3
FREE ELECTIVE	3
SOC/BEHAV ELECT.	3
FREE ELECTIVE	3
	18

SENIOR SECOND SEMESTER

HIST ELECTIVE #9	3
FREE ELECTIVE	3
FREE ELECTIVE	3
FREE ELECTIVE	3
FREE ELECTIVE	3
	15

MINOR IN HISTORY .... 21 SEM. HRS.

Required Courses (6 hrs.)

HIST	1107	UNITED STATES HISTORY I	3
HIST	1108	UNITED STATES HISTORY II	3

Electives (6 hrs.)
(Select two of the following courses)

HIST	2211	WORLD CIVILIZATIONS I	3
HIST	2212	WORLD CIVILIZATIONS II	3
HIST	2213	WORLD CIVILIZATIONS III	3

Advanced Electives (9 hrs.)
Select any three upper-level courses.

NATIONAL SECURITY & INTELLIGENCE

The National Security and Intelligence Program is designed to provide the necessary background for students to pursue careers in national security and/or intelligence in government agencies and private enterprise.

Students seeking a Bachelor of Arts degree in National Security & Intelligence must apply to the National Security & Intelligence Program Director and successfully complete an interview. To be recommended for graduation, the student must have a 2.7 GPA or a 2.5 GPA with program Director's approval. .

The program Director will conduct an annual review of the academic progress of all students enrolled in the Program. Students whose GPA falls below 2.7 or who might otherwise exhibit behavior that is not conducive to ensuring employment in this field will be placed on probation or dropped from the Program depending on the outcome of the review.

BACHELOR OF ARTS IN NATIONAL SECURITY & INTELLIGENCE .... 128 SEM. HRS.

National Security & Intelligence Curriculum ...58 SEM. HRS.
General Studies .... 35 SEM. HRS.
Foreign Language Requirements....................12 SEM. HRS.
Free Electives.. 23 SEM. HRS.
No Minor Required

- National Security & Intelligence Curriculum ...58 SEM. HRS.

Required Courses (52 Hrs.)

BUSN	3330	BUSINESS INTELLIGENCE	3
ECON	2200	ECONOMICS	3
HIST	1107	U.S. HISTORY I	3
HIST	1108	U.S. HISTORY II	3
HIST	2213	WORLD CIVILIZATIONS III	3
HIST	3301	HISTORY OF INTELLIGENCE AND NAT. SECURITY	3
HIST	3310	DIPLOMATIC HISTORY	3
NSIS	3301	INTELLIGENCE RESEARCH	3
NSIS	4450	NSI SENIOR SEMINAR/PROGECT	3
PHIL	3350	COMPARATIVE RELIGION	3
-OR-			
POLI	3370	WORLD RELIGIONS AND POLITICS	3
POLI	1103	AMERICAN GOVERNMENT	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3340	RESEARCH METHODS AND ANALYSIS	3
-OR-			
CRJU	4410	RESEARCH IN CRIMINAL JUSTICE	3
POLI	3350	INTERNATIONAL LAW AND ORGANIZATIONS	3
POLI	4405	TERRORISM	3
-OR-			
CRJU	4405	TERRORISM	3
PSYC	2240	STATISTICS	4

- National Security and Intelligence Electives ....(6 hrs.)

CRJU	2236	CRIMINAL INVESTIGATION	3
CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	3310	COMPARATIVE CRIMINAL JUSTICE	3
NSIS	3302	NSI FIELD EXPERIENCE PRACTICUM	1-12
NSIS	4499	SPECIAL TOPICS NATIONAL SECURITY & INTELLIGENCE	1-12
POLI	3300	PUBLIC ADMINISTRATION	3
POLI	3310	RECENT POLITICAL THEORY	3
POLI	4406	INTERNATIONAL PROBLEMS	3
LANAGUAGE RELATED CULTURE & HISTORY COURSE			3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

HIST	1107	U.S. HISTORY I	3
POLI	1103	AMERICAN GOVERNMENT	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
ENGL	1104	WRITTEN ENGLISH I	3
		GENERAL STUDIES - ART/CREATIVE/INTERDISCIPLINARY	3
			16

FRESHMAN SECOND SEMESTER

HIST	1108	U.S. HISTORY II	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY	4
ENGL	1108	WRITTEN ENGLISH II	3
COMM	2200 OR 2201 OR 2202	COMMUNICATIONS	3
		GENERAL STUDIES - ART/CREATIVE/INTERDISCIPLINARY	3
			16

SOPHOMORE FIRST SEMESTER

		GENERAL STUDIES Ð COLLEGE LEVEL MATH	3
HIST	2213	WORLD CIVILIZATIONS III	3
ECON	2200		3
		FOREIGN LANGUAGE	3
		GENERAL STUDIES - ENGL. LIT. (SEE OPTIONS)	3
			15

SOPHOMORE SECOND SEMESTER

HIST	3301	HISTORY OF INTELLIGENCE & NATIONAL SECURITY	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
		GENERAL STUDIES - ENG. LIT. (SEE OPTIONS)	3
		FOREIGN LANGUAGE	3
		FREE ELECTIVE	3
			18

JUNIOR FIRST SEMESTER

HIST	3310	DIPLOMATIC & MILITARY HISTORY OF THE U. S.	3
NSIS	3301	INTELLIGENCE RESEARCH	3
POLI	3350	INTERNATIONAL LAW AND ORGANIZATION	3
POLI	2203	COMPARATIVE GOVERNMENT	3
		FOREIGN LANGUAGE	3
		FREE ELECTIVE	3
			18

JUNIOR SECOND SEMESTER

PSYC	2240	STATISTICS	4
BUSN	3330	BUSINESS INTELLIGENCE	3
POLI	3370	WORLD RELIGIONS AND POLITICS	3
- OR-			
PHIL	3350	COMPARATIVE RELIGION	3
POLI	3340	POLITICAL SCIENCE RESEARCH METHODS	3
- OR-			
CRJU	4410	RESEARCH IN CRIMINAL JUSTICE	3
		FOREIGN LANGUAGE	3
			16

SENIOR FIRST SEMESTER

POLI	4405	TERRORISM	3
-OR-			
CRJU	4405	TERRORISM	3
		NSIS ELECTIVE	3
		FREE ELECTIVE	3
		FREE ELECTIVE	3
		FREE ELECTIVE	3
			15

SENIOR SECOND SEMESTER

NSIS	4450	NATIONAL SECURITY & INTELLIGENCE SENIOR SEMINAR	3
		NSISELECTIVE	3
		FREE ELECTIVE	3
		FREE ELECTIVE	3
		FREE ELECTIVE	2
			14

NATIONAL SECURITY AND INTELLIGENCE MINOR ....18 SEM. HRS.

Required courses (6 hrs.)

HIST	3301	HISTORY OF INTELLIGENCE AND NATIONAL SECURITY	3
CRJU	4405	TERRORISM	3
-OR-			
POLI	4405	TERRORISM	3

Electives (12 hrs.)
Students must choose courses from at least two different disciplines.

CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	3310	COMPARATIVE CRIMINAL JUSTICE	3
CRJU	4410	RESEARCH IN CRIMINAL JUSTICE	3
HIST	3310	DIPLOMATIC HISTORY	3
POLI	1103	AMERICAN GOVERNMENT	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3350	INTERNATIONAL LAW AND ORGANIZATIONS	3
POLI	4406	INTERNATIONAL PROBLEMS	3
NSIS	3301	INTELLIGENCE RESEARCH	3
NSIS	3302	NSI FIELD EXPERIENCE PRACTICUM	1-12
NSIS	4450	NSI SENIOR SEMINAR/PROJECT	3
NSIS	4499	SPECIAL TOPICS IN NATIONAL SECURITY AND INTELLIGENCE	1-12

PHILOSOPHY (MINOR ONLY)

Philosophy is neither dogma nor advice for daily living nor a body of truisms. Rather, it examines the premises on which systematic thought may rest; it explores the types of thought that may be produced in such areas of concern as ethics, politics, aesthetics, metaphysics, and epistemology; and it evaluates the advantages and disadvantages inherent in various modes and systems of thought. Thus philosophy encourages the thinking person to develop a sophisticated self-conception and world-view, and to examine his/her values, expectations, commitments and loyalties in a rational and realistic manner.

MINOR IN PHILOSOPHY ....15 SEM.HRS.

Required courses (6 hrs.)

PHIL	2200	INTRODUCTION TO PHILOSOPHY	3
PHIL	2250	GREAT PHILOSOPHERS	3

Electives (9 hrs.)
Choose from any of the remaining Philosophy courses available.

POLITICAL SCIENCE

The Political Science curriculum is designed to provide an understanding of the political process in its many manifestations, including the structure of government institutions, the political behavior of individuals and groups, the study of public problems characteristic of modern societies, and a consideration of the interrelationships of institutions at different levels of government.

The principal objectives of the Political Science Program are:

1) To lay the basis for an understanding of governmental and administrative processes for individuals planning public service careers in national, state, or local government
2) To foster an understanding of the substance and methods of the study of government and politics as preparation for graduate work in political science or public administration
3) To provide thorough training for students considering law school.

Courses allow students to concentrate in broad fields and to develop more specialized programs reflecting their particular interests. Generally, 1100-2200 level courses are survey courses and 3300-4400 level courses cover more specific topics. While both the major and minor in political science typically consist of necessary introductory work, the faculty strongly urges students with a minor in political science to take the Seminar in Political Science (POLI 4470). Schedules should be planned in consultation with an advisor, and students are encouraged to explore a variety of courses. Eligible students are also encouraged to intern in Washington, D.C. with the Washington Center for Internships and Academic Seminars (see Special Academic Programs).

BACHELOR OF ARTS IN POLITICAL SCIENCE ....128 SEM. HRS.

Political Science Curriculum (see below)	36 SEM. HRS.
General Studies Requirements	38 SEM. HRS.
MINOR REQUIRED	18 SEM. HRS.
Free Electives	36 SEM. HRS.

- Political Science Curriculum...........................36 SEM. HRS.

Required courses (21 hrs.)

ECON	2200	ECONOMICS	3
POLI	1103	AMERICAN GOVERNMENT	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3340	RESEARCH METHODS	3
-OR-			
CRJU	4410	RESEARCH IN CRIMINAL JUSTICE	3
POLI	4470	SEMINAR IN POLITICAL SCIENCE	3

Political Science Electives (15 hrs.)
Students may choose from any advanced (3300/4400) Political Science courses.

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
POLI	1103	AMERICAN GOVERNMENT	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY			4
GENERAL STUDIES - COLLEGE-LEVEL MATH			3
FREE ELECTIVE			3
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3
COMM	2200 OR 2201 OR 2202		3
GENERAL STUDIES - SCIENTIFIC DISCOVERY			4
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY			3
			16

SOPHOMORE FIRST SEMESTER

GENERAL STUDIES - ENGLISH LIT. (SEE OPTIONS)			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY			3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
INFO	1100	COMP CONCEPTS & APPLS	3
FREE ELECTIVE			3
			15

SOPHOMORE SECOND SEMESTER

GENERAL STUDIES - ENGLISH LIT. (SEE OPTIONS)			3
GENERAL STUDIES - CULTURAL/CIV. EXPLORATION			3
POLI	2203	COMPARATIVE GOVERNMENT	3
MINOR			3
FREE ELECTIVE			3
			15

JUNIOR FIRST SEMESTER

ECON	2200	ECONOMICS	3
POLI	3300/4400 LEVEL		3
POLI	3300/4400 LEVEL		3
MINOR			3
MINOR			3
FREE ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

POLI	3340 -OR- CRJU 4410		3
POLI	3300/4400 LEVEL		3
MINOR			3
MINOR			3
FREE ELECTIVE			3
FREE ELECTIVE			3
			18

SENIOR FIRST SEMESTER

POLI - 3300/4400 LEVEL			3
POLI - 3300/4400 LEVEL			3
MINOR			3
FREE ELECTIVE			3
FREE ELECTIVE			3
			15

SENIOR SECOND SEMESTER

POLI	4470		3
FREE ELECTIVE			3
FREE ELECTIVE			3
FREE ELECTIVE			3
FREE ELECTIVE			3
			15

MINOR IN POLITICAL SCIENCE ....18 SEM. HRS.

Required courses (6 hrs.)

POLI	1103	AMERICAN GOVERNMENT	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3

Electives (12 hrs.)
Students may choose from any Political Science courses, with their advisor's approval.

MINOR IN PUBLIC ADMINISTRATION ....21 SEM. HRS.

Required courses (15 hrs.)

FINC	2201	INTRODUCTION TO FINANCE	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MGMT	3308	PERSONNEL MANAGEMENT	3
POLI	3300	PUBLIC ADMINISTRATION	3
SOCY	3360	METHODS OF SOCIAL RESEARCH	3

Electives (6 hrs.)

BUSN	3310	STATISTICS	3
MGMT	3390	HUMAN BEHAVIOR IN THE ORGANIZATION	3
MGMT	4409	QUANTITATIVE MANAGEMENT	3
POLI	3302	STATE AND LOCAL GOVERNMENT	3

MINOR IN INTERNATIONAL STUDIES ....21 SEM. HRS.

Required courses (12 hrs.)

BUSN	3320	INTERNATIONAL BUSINESS	3
GEOG	3305	ECONOMIC GEOGRAPHY	3
PHIL	3350	COMPARATIVE RELIGION	3
- OR -			
POLI	3370	WORLD RELIGIONS AND POLITICS	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3

- International Studies Electives.................................(9 hrs.)

Select from at least two disciplines.

ENGL	3381	THE BRITISH NOVEL	3
ENGL	3382	THE WORLD NOVEL	3
FREN	3314	FRENCH CIVILIZATION AND CULTURE	3
GEOG	3340	GEOGRAPHY OF EUROPE	3
GEOG	3350	GEOGRAPHY OF LATIN AMERICA	3
GEOG	3360	GEOGRAPHY OF AFRICA	3
GEOG	3370	GEOGRAPHY OF ASIA	3
HIST	3310	DIPLOMATIC & MILITARY HISTORY OF THE U.S.	3
HIST	3351	HISTORY OF ENGLAND	3
HIST	3352	HISTORY OF RUSSIA	3
HIST	4405	HISTORY OF AFRICA	3
HIST	4410	HISTORY OF ASIA	3
HIST	4420	HISTORY OF LATIN AMERICA	3
HIST	4431	RECENT EUROPE	3
HIST	4455	REVOLUTIONS IN HISTORY	3
PHIL	3325	ETHICS	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3321	U.S. FOREIGN POLICY	3
POLI	3350	INTERNATIONAL LAW AND ORGANIZATIONS	3
POLI	4405	TERRORISM	3
- OR -			
CRJU	4405	TERRORISM	3
POLI	4406	INTERNATIONAL PROBLEMS	3
POLI	4411	AREA STUDIES	3
POLI	4412	AREA STUDIES	3
POLI	4413	AREA STUDIES	3
SOCY	3301	ETHNOLOGY	3
SPAN	3310	SPANISH CIVILIZATION & CULTURE	3
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE	3

SOCIAL STUDIES

The Social Studies 5-Adult Comprehensive Specialization is intended for those students preparing to teach in elementary, middle, or secondary schools. This degree program leads to a B.A. in Education with teacher certification in West Virginia. It provides the interdisciplinary foundation necessary for teaching an integrated social science curriculum. Students desiring to teach a particular subject, such as history, should augment the required courses with appropriate elective hours. Courses marked with an asterisk must be completed prior to admission to Clinical III (student teaching) and are offered only in the Fall Semester.

Admission to the program is gained by completing the following requirements: EDUC 2200 with at least a "B" grade; an overall GPA of 2.75 and a Social Studies Curriculum GPA of 2.75; passing grade on the PPST (reading, writing and math); passing a criminal background check; submitting a Declaration of Intent to the Dean of Education; acceptable scores on the ACT or SAT (contact the School of Education for more details on admission). Successful completion of PRAXIS (PPST) tests in Social Studies and Principles of Learning and Teaching is necessary in order to graduate and obtain West Virginia certification.

BACHELOR OF ARTS IN EDUCATION, TEACHING SPECIALIZATION IN SOCIAL STUDIES GRADES 5-ADULT .... 131-2 SEM. HRS.

Social Studies Curriculum (see below)............60 SEM. HRS.
General Studies Requirements............... 35-36 SEM. HRS.
Professional Education Courses ....36 SEM. HRS.

- Social Studies Curriculum ....60 SEM. HRS.

Required Courses (51 hrs.)

ECON	2200	ECONOMICS	3
GEOG	2210	INTRODUCTION TO GEOGRAPHY	3
GEOG	ELECTIVE		3
HIST	1107	UNITED STATES HISTORY I	3
HIST	1108	UNITED STATES HISTORY II	3
HIST	2211	WORLD CIVILIZATIONS I	3
HIST	2212	WORLD CIVILIZATIONS II	3
HIST	2213	WORLD CIVILIZATIONS III	3
HIST	3302	WEST VIRGINIA	3
HIST	3319	RECENT AMERICA	3
HIST	4431	RECENT EUROPE	3
POLI	1103	AMERICAN GOVERNMENT	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
SOCY	3301	ETHNOLOGY	3
SSCI	*4431	METHODS & MATERIALS OF TEACH. SOC. STUDIES.	3
SSCI	*4498	INTERDISCIPLINARY SEMINAR	3

Electives (9 hrs.)
(Select one of the following options.)

Option 1: A second teaching field outside the social sciences, grades 5-Adult. *See School of Education for more information.*

Option 2: Social Science Advanced Studies

These advanced studies in the social sciences allow prospective teachers to explore and understand the state guidelines for teacher education and the corresponding competencies in greater depth. These may be chosen from:

ECON	2202	ECONOMIC PRINCIPLES & PROBLEMS II	3
GEOG	3305	ECONOMIC GEOGRAPHY	3
GEOG	3315	URBAN GEOGRAPHY	3
GEOG	3330	GEOGRAPHY OF NORTH AMERICA	3
GEOG	3340	GEOGRAPHY OF EUROPE	3
GEOG	3350	GEOGRAPHY OF LATIN AMERICA	3
GEOG	3360	GEOGRAPHY OF AFRICA	3
GEOG	3370	GEOGRAPHY OF ASIA	3
HIST ANY COURSE			3 HOURS EACH
PHIL	2200	INTRODUCTION TO PHILOSOPHY	3
PHIL	2250	GREAT PHILOSOPHERS	3
PHIL	3325	ETHICS	3
PHIL	3350	COMPARATIVE RELIGION	3
PHIL	4475	PHILOSOPHY OF HISTORY	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3302	STATE & LOCAL GOVERNMENT	3
POLI	3303	POLITICAL PARTIES	3
POLI	3304	AMER. CONSTITUTIONAL GOVERNMENT AND LAW	3
POLI	3305	AMERICAN POLITICAL THEORY	3
POLI	3306	THE AMERICAN PRESIDENCY	3
POLI	3307	CONGRESS & THE LEGISLATIVE PROCESS	3
POLI	3310	RECENT POLITICAL THEORY	3
POLI	4404	CIVIL LIBERTIES IN THE U.S.	3
POLI	4410	PROBLEMS IN AMERICAN GOVERNMENT	3
POLI	4411	AREA STUDIES	3
POLI	4412	AREA STUDIES	3
POLI	4413	AREA STUDIES	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
PSYC	2230	SOCIAL PSYCHOLOGY	3
PSYC	2250	COMMUNITY PSYCHOLOGY	3
PSYC	3300	ABNORMAL PSYCHOLOGY	3
PSYC	3330	DEVELOPMENTAL PSYCHOLOGY	3
PSYC	3393	FUTURE GLOBAL CRISES	3
PSYC	4410	THEORIES OF PERSONALITY	3
PSYC	4491	PSYCHOPATHOLOGY OF CHILD. AND ADOLESCENCE	3
PSYC	4493	THE PSYCHOLOGY OF AGING	3
PSYC	4494	INTERPERSONAL DYNAMICS	3
PSYC	4495	THE PSYCHOLOGY OF DELINQUENCY	3
SOCY	2200	SOCIAL PROBLEMS	3
SOCY	2230	SOCIAL PSYCHOLOGY	3
SOCY	3310	SOCIOLOGY OF THE FAMILY	3
SOCY	3340	JUVENILE DELINQUENCY	3
SOCY	4430	COMMUNITY ORGANIZATION	3
SOCY	4450	MINORITY GROUPS	3

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3

The following courses are taken after gaining admission into the School of Education:

EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

Department of Behavioral Science

Dr. Clarence Rohrbaugh, Chair
110e Hardway Hall / (304) 367-4669
FAX: (304) 367-4785
crohrbaugh1@fairmontstate.edu

FACULTY

FITCH, JOHN R. (1970)
Associate Professor of Sociology

GURASH, DAN (2008)
Temporary Assistant Professor of Geography/Sociology

JOSHI, TULASI R. (1972)
Professor of Geography
Graduate Faculty

KATO, TADASHI (2003)
Associate Professor of Psychology
Graduate Faculty

LANDIS-TAYLOR, NANCY (2008)
Temporary Assistant Professor of Psychology

LARRY, JOSEPH (1974)
Associate Professor of Sociology/Psychology

ROHRBAUGH, CLARENCE C. (2002)
Associate Professor of Psychology
Graduate Faculty

SHAVER, ANN V. (1997)
Professor of Psychology
Graduate Faculty

SHAVER, A. JOSEPH (1988)
Professor of Psychology
Graduate Faculty

WHITE, CRAIG C. (1967)
Professor/Senior Level: Sociology
Graduate Faculty

YOUNG, JAMES R. (1967)
Associate Professor of Geography

GEOGRAPHY (MINOR ONLY)

The Geography Program strives to create an environment in which the students are challenged to promote their own intellectual, social, and personal development. Course offerings are designed to develop many worthwhile concepts, skills, and attitudes. Students learn the manner in which people from different parts of the world make use of their natural/cultural environments, as well as how life and events in different parts of the world interrelate with one another. A background in geography is appropriate for possible careers in education, agriculture, industry, government, business, community planning, and military service.

MINOR IN GEOGRAPHY ....18 SEM. HRS.
Required courses (9 hrs.)

GEOG	2210	INTRODUCTION TO GEOGRAPHY	3
GEOG	3305	ECONOMIC GEOGRAPHY	3
GEOG	3315	URBAN GEOGRAPHY	3

Electives (9 hrs.)
Select any other courses in geography or geology.

PSYCHOLOGY

Psychology is the science that deals with the study of behavior. The Psychology Program at FSU has been developed to provide a strong foundation of applied and theoretical knowledge for those students anticipating either future graduate training or immediate employment. All Psychology majors are required to complete a minimum of 40 hours, which allows the student to develop a broad knowledge base within the discipline. Students may also pursue additional coursework in the areas of Community and Industrial Psychology. The psychology curricula are ideal for students anticipating graduate work in various areas of psychology, social work and counseling. Students who are preparing for the areas of medicine and law also utilize the psychology major.

Psychology majors must complete the requirements for minor and are encouraged to select a number of elective specialized psychology courses that could serve to expand their breadth of knowledge in particular areas of psychological interest. They may choose courses from either the Community Service or the Industrial Personnel areas to satisfy their future professional needs.

Students with a B.S. degree in psychology are eligible for a variety of entry-level positions in the areas of education, business, management, advertising, government, health-care, criminal justice and sales.

BACHELOR OF SCIENCE IN
PSYCHOLOGY ....128 SEM. HRS.
Psychology Curriculum (see below)...............40 SEM. HRS.
General Studies Requirements ....42 SEM. HRS.
MINOR REQUIRED .... 18-21 SEM. HRS.
Free Electives.. 25-28 SEM. HRS.

- Psychology Curriculum ....40 SEM. HRS.

Required courses (40 hrs.)

PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
PSYC	2220	HISTORY & SYSTEMS OF PSYCHOLOGY	3
PSYC	2230	SOCIAL PSYCHOLOGY	3
PSYC	2240	STATISTICS	4
PSYC	3300	ABNORMAL PSYCHOLOGY	3
PSYC	3310	EXPERIMENTAL PSYCHOLOGY	3
PSYC	3330	DEVELOPMENTAL PSYCHOLOGY	3
PSYC	3350	BIOPSYCHOLOGY	3
PSYC	3370	THEORIES OF LEARNING	3
PSYC	3390	FOUNDATIONS OF PSYCHOLOGY	3
PSYC	4400	PSYCHOMETRICS	3
PSYC	4410	THEORIES OF PERSONALITY	3
PSYC	4460	SEMINAR	3

Optional Specialized Electives

COMMUNITY SERVICE

Psychology majors interested in enhancing community service delivery knowledge and skills are encouraged to take 6 to 12 hours from the following specialized courses.

PSYC	2250	COMMUNITY PSYCHOLOGY	3
PSYC	3399	SPECIAL TOPICS	3
PSYC	4480	DIRECTED STUDIES	1-3
PSYC	4490	DIRECTED RESEARCH	1-3
PSYC	4491	PSYCHOPATHOLOGY OF CHILD. & ADOLESCENCE	3
PSYC	4493	THE PSYCHOLOGY OF AGING	3
PSYC	4494	INTERPERSONAL DYNAMICS	3
PSYC	4495	DELINQUENCY	3
PSYC	4497	PRACTICUM	3
PSYC	4485	ADVANCED PSYCHOMETRICS	3

INDUSTRIAL PERSONNEL

Psychology majors interested in enhancing skills relevant to industrial personnel careers are encouraged to take 6 to 12 hours from the following specialized courses.

PSYC	2260	INDUSTRIAL AND PERSONNEL	3
PSYC	3360	COGNITIVE PSYCHOLOGY	3
PSYC	4480	DIRECTED STUDIES	3
PSYC	4490	DIRECTED RESEARCH	3
PSYC	4481	METHODS	3
PSYC	4485	ADVANCED PSYCHOMETRICS	3
PSYC	4487	PRACTICUM	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
GENERAL STUDIES COURSES			6-9
MINOR			3
			16-18

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
PSYC	2220	HISTORY AND SYSTEMS OF PSYCHOLOGY	3
PSYC	2230	SOCIAL PSYCHOLOGY	3
MATH	1107	FUNDAMENTAL CONCEPTS	3
GENERAL STUDIES COURSES			6-9
			16-18

SOPHOMORE FIRST SEMESTER

ENGL	2220	WORLD LITERATURE	3
-OR-			
ENGL	2230	INTRO. TO LITERATURE I	3
PSYC	2240	STATISTICS	4
PSYC	3300	ABNORMAL PSYCHOLOGY	3
MINOR			3-6
GENERAL STUDIES COURSES			3-6
			16-18

SOPHOMORE SECOND SEMESTER

ENGL	2221	WORLD LITERATURE	3
-OR-			
ENGL	2231	INTRO. TO LITERATURE II	3
PSYC	3350	BIOPSYCHOLOGY	3
PSYC	3330	DEVELOPMENTAL PSYCHOLOGY	3
MINOR			3-6
GENERAL STUDIES COURSES			3-6
			16-18

JUNIOR FIRST SEMESTER

PSYC	3310	EXPERIMENTAL PSYCHOLOGY	3
PSYC	3370	THEORIES OF LEARNING	3
GENERAL STUDIES COURSES (AS NEEDED)			3-6
			16-18

JUNIOR SECOND SEMESTER

PSYC	3390	FOUNDATION OF PSYCHOLOGY	3
GENERAL ELECTIVE			3
GENERAL ELECTIVE			3-6
GENERAL STUDIES COURSES (AS NEEDED)			
			16-18

SENIOR FIRST SEMESTER

PSYC	4410	THEORIES OF PERSONALITY	3
PSYC	4400	PSYCHOMETRICS	3-6
GENERAL ELECTIVE (AS NEEDED)			3-6
GENERAL STUDIES COURSES (AS NEEDED)			
			16-18

SENIOR SECOND SEMESTER

PSYC	4460	SEMINAR	3
PSYC	ELECTIVES		3-6
GENERAL ELECTIVE (AS NEEDED)			3-6
GENERAL STUDIES COURSES (AS NEEDED)			
			16-18

MINOR IN PSYCHOLOGY ....18 SEM. HRS.

The psychology minor offers students the opportunity to enhance their major academic area with an emphasis on behavioral understanding and insight. To ensure the selection of relevant courses, students interested in obtaining a psychology minor should discuss their plans with a psychology faculty member. Students must meet any prerequisite requirements before taking courses.

Required courses (3 hrs.)

PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3

Electives (15 hrs.)

ANY TWO COURSES FROM THE 2200 LEVEL	6
ANY THREE COURSES FROM THE 3300 OR 4400 LEVEL	9

SOCIOLOGY

Sociology is the systematic study of society and human activity. The Bachelor of Science degree in Sociology is designed to enhance the student's ability to understand various forms of social and cultural interaction. With an emphasis on both sociological and anthropological theory and research, the sociology degree is useful preparation for advanced graduate study as well as entry-level employment. The Program will expand a student's ability to question and understand various forms of social interaction in social and cultural systems. The courses offered here will provide knowledge of the substantive areas of sociology and anthropology, the use of concepts and research techniques of sociological investigation, and background in sociological theory.

Students with a B.S. degree in Sociology frequently find employment in entry-level positions within public administration, advertising, business, social service agencies, health services, community planning and teaching. Many sociology majors also pursue graduate study in such areas as sociology, social work, public administration, anthropology and law.

General Emphasis Program

The General Emphasis Program will expand a student's ability to question and understand various forms of interaction in social and cultural systems. The course of study will provide knowledge of the theories and constructs in sociology and anthropology, the use of concepts and research techniques in sociological investigation, and background in sociological theory.

BACHELOR OF SCIENCE IN SOCIOLOGY	128 SEM. HRS.
Sociology Curriculum (see below)	30 SEM. HRS.
General Studies Requirements	42 SEM. HRS.
MINOR REQUIRED	18-21 SEM. HRS.
Free Electives	35-38 SEM. HRS.

- Sociology Curriculum ....30 SEM. HRS.

Required courses (18 hrs.)

SOCY	1110	INTRODUCTORY SOCIOLOGY	3
SOCY	2200	SOCIAL PROBLEMS	3
SOCY	2240	NONPARAMETRIC STATISTICS	3
SOCY	3301	ETHNOLOGY	3
SOCY	3360	METHODS OF SOCIAL RESEARCH	3
SOCY	4470	SOCIOLOGICAL THEORY	3

Sociology Electives (12 hrs.)

Any four additional courses including PSYC 2230 or any SOCY course from above 2200 level.

POPULATION STUDIES

This study leading to a concentration in Population Studies will provide students with the knowledge to identify and predict population movement and its potential effect on economics, crime rate, geography, and other demographic concerns. Topics will cover applications of Geographic Information Systems (GIS), applied research techniques, data mining, and other areas relevant to population studies.

BACHELOR OF SCIENCE IN SOCIOLOGY ....128 SEM. HRS.

Sociology Curriculum (see below)	36 SEM. HRS.
General Studies Requirements	42 SEM. HRS.
MINOR REQUIRED	18-21 SEM. HRS.
Free Electives	29-32 SEM. HRS.

- Major plus Population Studies Certificate .....37 SEM. HRS.

Required courses (18 hrs.)

SOCY	1110	INTRODUCTORY SOCIOLOGY	3
SOCY	2200	SOCIAL PROBLEMS	3
SOCY	2240	NONPARAMETRIC STATISTICS	3
SOCY	3301	ETHNOLOGY	3
SOCY	3360	METHODS OF SOCIAL RESEARCH	3
SOCY	4470	SOCIOLOGICAL THEORY	3

Required additional courses for population studies emphasis (13 hrs.)

SCIE	1199	SPECIAL TOPICS: INTRO TO GIS	4
SOCY	2220	INTRODUCTION TO POPULATION STUDIES	3
PSYC	2240	STATISTICS	3
SOCY	3390	SOCIAL MOVEMENT	3

Choose any two of the following elective courses in addition to the required courses (6 hrs.)

POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
GEOG	3305	ECONOMIC GEOGRAPHY	3
GEOG	3315	URBAN GEOGRAPHY	3
SOCY	3325	SOCIAL STRATIFICATION	3
CRJU	3370	ECONOMIC CRIME	3
SOCY	4450	MINORITY GROUPS	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
SOCY	1110	INTRODUCTORY TO SOCIOLOGY	3
SSCI REQUIREMENT			3
PHED	1100	FITNESS AND WELLNESS	2
SSCI REQUIREMENT			2-4
			13-15

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
SOCY	2200	SOCIAL PROBLEMS	3
SSCI REQUIREMENT			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY			3
MATH	1107	FUND CONCEPTS OF MATH	3
			15

SOPHOMORE FIRST SEMESTER

COMM	2200	INTRO TO HUMAN COMMUNICATION	3
SOCY ELECTIVE			3
GENERAL STUDIES - LITERATURE			3
MINOR/ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY			4
			16

SOPHOMORE SECOND SEMESTER

MINOR/ELECTIVE			3
SOCY	3301	ETHNOLOGY	3
GENERAL STUDIES - LITERATURE			3
INTR	2200	RACE, CLASS, GENDER IN POP CLTR	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY			4
			16

JUNIOR FIRST SEMESTER

SOCY	2240	NONPARAMETRIC STATISTICS	3
SOCY ELECTIVE			3
MINOR/ELECTIVE			3
SSCI REQUIREMENT			3
MINOR/ELECTIVE			3
			15

JUNIOR SECOND SEMESTER

SOCY	3360	METHODS OF SOC. RESEARCH	3
SOCY ELECTIVE			3
MINOR			3
MINOR			3
MINOR			3
MINOR			3
			18

SENIOR FIRST SEMESTER

SOCY	4470	SOCIOLOGICAL THEORY	3
SOCY ELECTIVE			3
MINOR/ELECTIVE			3
SOCY	4490/MINOR	SEMINAR: SOCIOLOGICAL LITERATURE	3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
			18

SENIOR SECOND SEMESTER

SOCY ELECTIVE			3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
			15

MINOR IN SOCIOLOGY ....18 SEM. HRS.

Required courses (9 hrs.)

SOCY	1110	INTRODUCTORY SOCIOLOGY	3
SOCY	2200	SOCIAL PROBLEMS	3
SOCY	3301	ETHNOLOGY	3

Electives (9 sem. hrs.)
Any three additional courses including PSYC 2230 or SOCY courses from any level.

College of Science and Technology

Dr. Anthony F. Gilberti, Dean
302c Engineering Technology Building / (304) 367-4642
agilberti@fairmontstate.edu

Department of Biology, Chemistry and Geoscience

Dr. Anthony F. Gilberti, Dean
302c Engineering Technology Building / (304) 367-4642
agilberti@fairmontstate.edu

FACULTY

BAUR, ANDREAS (2000)
Associate Professor of Chemistry

BAXTER, HARRY N., III (1985)
Professor of Chemistry

CASTO, PAMELA (2009)
Temporary Assistant Professor of Geoscience

ENSIGN, TODD (2005)
Temporary Assistant Professor of Geoscience

FLOOD, MARK R. (1994)
Professor of Biology

HARVEY, ERICA L. (1994)
Professor of Chemistry

HEMLER, DEBRA A. (2000)
Coordinator of Geoscience
Professor of Geoscience
Graduate Faculty

HUGGINS, PAMELA A. (2002)
Associate Professor of Biology

MAGRO, ALBERT (1992)
Professor/Senior Level: Biology

MCKEEN, ANGELA (2007)
Temporary Assistant Professor of Geoscience

MORRIS, TONY E. (1994)
Professor of Biology

ROOF, STEVEN K. (1994)
Professor of Biology

SCANLON, MATTHEW (1991)
Professor of Chemistry

TRISEL, DONALD E. (1995)
Professor of Biology

WEEKLEY, JAMES (2005)
Instructor of Chemistry

YEAGER, PHILLIP E. (1999)
Associate Professor of Biology

PRE-DENTAL CURRICULUM

Students planning to study dentistry should complete basic science courses as well as a broad range of general education courses with better than a "B" average.

The School of Dentistry at West Virginia University requires applicants to have completed three or more academic years of work (90 semester hours) in the liberal arts, including the following specific course requirements:

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II	8
CHEM	1105, 1106	CHEMICAL PRINCIPLES I, II	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II	8
ENGL	1104, 1108	WRITTEN ENGLISH I, II	6
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II	8

Courses in the humanities, social sciences, and advanced courses in biology are also suggested in order to acquire a broadened intellectual background.

PRE-MEDICAL CURRICULUM

Students planning to study medicine or veterinary medicine should complete basic science courses as well as a broad range of general education courses with better than a "B" average. Students should carefully consult the catalog of the professional school that they plan to attend. At West Virginia University, the School of Medicine requires a minimum of 90 semester hours of undergraduate work (excluding physical education and ROTC courses) for admission. Pre-medical students should work towards fulfilling the requirements for the bachelor's degree in biology, chemistry, or forensic science. Students selecting other majors will still need to complete the minimum course requirements shown below.

The following courses will meet the minimum requirements for admission to the School of Medicine at West Virginia University:

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II	8
CHEM	1105, 1106	CHEMICAL PRINCIPLES I, II	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II	8
ENGL	1104, 1108	WRITTEN ENGLISH I, II	6
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II	8

Six hours of coursework in social or behavioral science is also required, but no particular courses are specified. Additional courses in the humanities, social sciences, and advanced courses in biology are suggested in order to acquire a broadened intellectual background.

PRE-MEDICAL TECHNOLOGY CURRICULUM

Medical Technology is a four-year undergraduate program. The first two years may be taken at Fairmont State University.

The entrance requirements of schools of medical technology throughout the nation vary considerably; students should carefully consult the catalog of the school that they plan to attend. Students who have completed 60 semester hours, including the following courses, may be eligible for admission to the third year of the medical technology program at West Virginia University.

ENGL	1104, 1108	WRITTEN ENGLISH I, II	6
BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II	8
CHEM	1105, 1106	CHEMICAL PRINCIPLES I, II	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II	8
MATH	1112	COLLEGE ALGEBRA	3
MATH	1113	APPLIED STATISTICS	4

The other classes should total 21 to 24 hours of core classes. Courses such as microbiology, biochemistry and anatomy should not be taken prior to enrollment in the medical technology program.

Graduates of the Associate of Applied Science degree program in Medical Laboratory Technology (MLT) offered through Pierpont State Community and Technology College are eligible to apply for admission into the WVU Medical Technology (MT) Program. Several courses are waived from the traditional WVU MT Program for Fairmont State University MLT graduates.

PRE-PHARMACY CURRICULUM

Many schools of pharmacy offer a doctorate of pharmacy that requires six years of study beyond high school, two years of pre-pharmacy and four years of study in a professional school of pharmacy. Prospective pharmacy students should plan their programs to meet the requirements of the particular professional school of pharmacy to which they plan to transfer. The following two-year preparatory program is suggested for students applying to the WVU School of Pharmacy. Elective slots in the model schedule should be filled with courses that satisfy required general education credits at the pharmacy school. Students without the necessary prerequisites for calculus will be required to take MATH 1115 or 1112 and 1115. The pre-pharmacy advisor should be consulted prior to scheduling each semester.

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II	8
BIOL	2205	TECHNICAL MICROBIOLOGY	4
CHEM	1105, 1106	CHEMICAL PRINCIPLES I, II	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II	8
ECON	2200	ECONOMICS	3
-OR-			
ECON	2201, 2202	ECONOMIC PRINCIPLES AND PROBLEMS I, II	6
ENGL	1104, 1108	WRITTEN ENGLISH I, II	6
MATH	1113	APPLIED STATISTICS	4
-OR-			
BUS	3310	BUSINESS AND ECONOMICS STATISTICS	3
MATH	1185	APPLIED CALCULUS	4
-OR-			
MATH	1190	CALCULUS I	4
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II	8
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3

SUGGESTED SCHEDULE

1ST YEAR		2ND YEAR	
1st Semester	2nd Semester	1st Semester	2nd Semester
BIOL 1105	BIOL 1106	CHEM 2201	CHEM 2202
CHEM 1105	CHEM 1106	PHYS 1101	PHYS 1102
ENGL 1104	ENGL 1108	COMM 2200	BIOL 2205
MATH 1185	MATH 1113	ELECTIVE	ECON 2200 OR 2202
OR 1190	OR BUS 3310		
ELECTIVE	ELECTIVE	ELECTIVE	ELECTIVE

PRE-PHYSICAL THERAPY CURRICULUM

This curriculum is designed to satisfy the course requirements for admission to the professional portion of the curriculum in physical therapy offered by the West Virginia University (WVU) School of Medicine. Fairmont State University (FSU) students must select a major and complete a bachelor's degree prior to application for WVU's Doctorate of Physical Therapy (DPT) program. All applicants to the DPT program are required to have a bachelor's degree before admission. Information on prerequisite equivalent coursework is provided below. Degrees in biology, chemistry and forensic science meet many of these prerequisites. Applicants with degrees in any area (i.e. philosophy, psychology, etc.) are encouraged to apply, as long as the equivalent prerequisite coursework has been completed. A course in medical terminology, such as HLCA 1100, is recommended, but not required.

Students interested in admission to a physical therapy program at an institution other than WVU should consult with the pre-physical therapy advisor for assistance in getting the information about the course requirements at the other institution.

DPT PREREQUISITE COURSE REQUIREMENTS:

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II	8
CHEM	1105, 1106	CHEMICAL PRINCIPLES I, II	9
MATH	1113	APPLIED STATISTICS	4
-OR-			
BUSN	3310	BUSINESS AND ECONOMICS STATISTICS	3
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II	8
PSYC	1101	INTRODUCTION TO PSYCHOLOGY I	3
PSYC	3330	DEVELOPMENTAL PSYCHOLOGY	3
ATTR*	219	HUMAN ANATOMY (RECOMMENDED)	
-OR-			
NBAN**	205	HUMAN ANATOMY	3
PSIO***	441	HUMAN PHYSIOLOGY (RECOMMENDED)	4
-OR -			
PSIO***	241		4
-OR-			
BIOL***	235		4

** must take the WVU course; contact WVU Dept. of Anatomy*
***this course available on the web; must take the WVU course; contact WVU Dept. of Anatomy*
****must take the WVU course; contact WVU Dept. of Physiology*

BIOLOGY

Biology, the study of life, is a wide-ranging and rapidly growing discipline. Understanding biology requires a working knowledge of all the sciences, especially chemistry and mathematics. The biology program at FSU strives to provide students with a broad-based education in all fields of biology as well as a fundamental knowledge of chemistry and mathematics. Students are required to complete basic courses in biology designed to provide a comprehensive understanding of living organisms. Electives allow students the flexibility to gain additional knowledge in an area of interest. No minor is required for biology majors.

A four-year B.S. degree in biology will prepare students to compete for entry level jobs such as lab technician, wildlife biologist, research scientist or naturalist, among others. While a bachelor's degree in biology will help students get a job, many careers require additional education beyond the B.S. degree. Many of our best students compete successfully for admission to graduate study at institutions across the country. A biology degree will also provide pre-professional training required by fields such as dentistry, medicine, pharmacy, and veterinary medicine.

Students who major in biology select one of the following degree programs:

1) the B.S. in Biology degree as preparation for employment, professional school or graduate study
2) the B.S. in Biology degree with an emphasis in biotechnology as preparation for employment, professional school, or graduate study
3) the B.A. in Education degree with a specialization in biology, as preparation for teaching biology in grades 9-Adult. All courses must be completed prior to admission to Secondary Student Teaching/Clinical III.

In addition to meeting the graduation requirements listed for the B.S. in Biology or B.A. in Education degree, students must also:

1) obtain a grade of "C" or better in BIOL 1105, 1106, 2202, and 2203
2) successfully complete an assessment exam during their final year (This exam is given every spring semester.)

BACHELOR OF SCIENCE IN BIOLOGY ....128 SEM. HRS.

Biology Curriculum (see below)......................64 SEM. HRS.
No Minor Required
General Studies Requirements........................37 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)
Free Electives...27 SEM. HRS.

- Biology Curriculum..64 SEM. HRS.

Required courses (52 hrs)

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	2202	GENERAL BOTANY	4
BIOL	2203	GENERAL ZOOLOGY	4
BIOL	3306	FUNDAMENTALS OF ECOLOGY	4
BIOL	3368	ANIMAL PHYSIOLOGY	4
-OR-			
BIOL	3370	PLANT PHYSIOLOGY	4
BIOL	3380	GENETICS	4
BIOL	3390	MOLECULAR BIOTECHNOLOGY	4
BIOL	4485	SENIOR SEMINAR	2
CHEM	1105	CHEMICAL PRINCIPLES I	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STAT. WITH A SPREADSHEET	1
CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2202	ORGANIC CHEMISTRY II	4

- Biology Electives...12 SEM. HRS.

BIOL	2224	MICROBIOLOGY	4
BIOL	3312	ADVANCED BOTANY	4
BIOL	3315	INVERTEBRATE ZOOLOGY	4
BIOL	3316	VERTEBRATE ZOOLOGY	4
BIOL	3330	AQUATIC ECOLOGY	4
BIOL	3331	TERRESTRIAL ECOLOGY	4
BIOL	3360	BIOCHEMISTRY	4
BIOL	4420	DEVELOPMENTAL BIOLOGY	4

- General Studies Courses.................................4 SEM. HRS.

Required for this major (4 hrs.)

MATH	1185	APPLIED CALCULUS I	4
-OR-			
MATH	1190	CALCULUS I	4

- Additional requirements for Biotechnology Emphasis.......................... 25-27 SEM. HRS.

BIOL	3360	BIOCHEMISTRY	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
CHEM	3301	PHYSICAL CHEMISTRY	4
CHEM	4405	ADVANCED INTEGRATED LAB	1
MATH	1113	APPLIED STATISTICS	4
PHYS	1101/02	INTRO TO PHYSICS I, II	8
-OR -			
PHYS	1105/06	PRINCIPLES OF PHYSICS I, II	10

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
CHEM	1105	CHEMICAL PRINCIPLES I	5
MATH	1185	APPLIED CALCULUS I	4
ENGL	1104	WRITTEN ENGLISH I	3
			16

FRESHMAN SECOND SEMESTER

BIOL	1106	BIOLOGICAL PRINCIPLES II	4
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACT. SCI. STATISTICS	1
ENGL	1108	WRITTEN ENGLISH II	3
COMM	2200 OR 2201 OR 2202		3
			15

SOPHOMORE FIRST SEMESTER

BIOL	2203	GENERAL ZOOLOGY	4
CHEM	2201	ORGANIC CHEMISTRY I	4
INFO	1100	COMP. CONCEPTS	3
G.S.			3
G.S.			3
			17

SOPHOMORE SECOND SEMESTER

BIOL	2202	GENERAL BOTANY	4
CHEM	2202	ORGANIC CHEMISTRY II	4
G.S.			3
G.S.			3
G.S.			3
			17

JUNIOR FIRST SEMESTER

BIOL	3306	FUNDAMENTALS OF ECOLOGY	4
BIOL	3380	GENETICS	4
G.S.			3
G.S.			3
			14

JUNIOR SECOND SEMESTER

BIOL	3368	ANIMAL PHYSIOLOGY	4
-OR-			
BIOL	3370	PLANT PHYSIOLOGY	4
BIOL	3390	MOLECULAR BIOTECHNOLOGY	4
BIOL ELECTIVE			4
G.S./ELECTIVE			4
			16

SENIOR FIRST SEMESTER

BIOL ELECTIVE			4
BIOL ELECTIVE			4
G.S./ELECTIVE			3
G.S./ELECTIVE			3
G.S./ELECTIVE			3
			17

SENIOR SECOND SEMESTER

G.S./ELECTIVE			4
G.S./ELECTIVE			4
BIOL	4485	SENIOR SEMINAR	2
G.S./ELECTIVE			3
G.S./ELECTIVE			3
			16

MINOR IN BIOLOGY ....24 SEM. HRS.

Required courses (16 hrs.)

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	2202	GENERAL BOTANY	4
BIOL	2203	GENERAL ZOOLOGY	4

Electives (8 hrs.)
Students may choose from any biology course of level 1199 or higher.

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN BIOLOGY GRADES 9-ADULT ....131 SEM. HRS.

Biology Curriculum (see below)	48 SEM. HRS.
General Studies requirements	33 SEM. HRS.
Professional Education Courses	36 SEM. HRS.
Free Electives	14 SEM. HRS.

No Minor Required
(See "Degree Requirements" for General Studies requirements not completed through the major)

- Biology Curriculum....48 SEM. HRS.

Required courses (48 hrs.)

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	2202	GENERAL BOTANY	4
BIOL	2203	GENERAL ZOOLOGY	4
BIOL	3306	FUNDAMENTALS OF ECOLOGY	4
BIOL	3380	GENETICS	4
CHEM	1105	CHEMICAL PRINCIPLES I	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STAT. WITH A SPREADSHEET	1
GEOL	1102	HISTORICAL GEOLOGY	4
MATH	1115	TRIGONOMETRY	3
-OR-			
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHSC	4431	METHODS AND MATERIALS IN TEACHING SCIENCE	3

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION SPECIAL EDUCATION	3
EDUC	3331	READING IN CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

The following model schedule outlines how a student can obtain two certifications (Biology and General Science). For a complete list of general science certification requirements see the General Science section of the catalog. While only one certification is required, students are strongly encouraged to consult with their advisor regarding the advantages of obtaining certification in more than one area.

FRESHMAN FIRST SEMESTER

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
MATH	1115	TRIGONOMETRY	3
EDUC	2200	INTRO TO EDUCATION	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS (MAY TEST OUT)	3
G.S.		CIV	3
			19

FRESHMAN SECOND SEMESTER

BIOL	1106	BIOLOGICAL PRINCIPLES II	4
ENGL	1108	WRITTEN ENGLISH II	3
COMM	2200 OR 2201 OR 2202		3
SCIE	1020	INTRODUCTION TO METEROLOGY	4
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
			17

SOPHOMORE FIRST SEMESTER

CHEM	1105	CHEMICAL PRINCIPLES I	5
PHYS	1101	INTRODUCTION TO PHYSICS I	4
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
BIOL	2203	ZOOLOGY	4
G.S.		ART	3
			19

SOPHOMORE SECOND SEMESTER

CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRAC SCIENTIFIC STATS	1
EDUC	2202	HUMAN GROWTH & DEV	3
EDUC	2202L	HUMAN GROWTH & DEV CLIN II	1
PHYS	1102	INTRODUCTION TO PHYSICS II	4
BIOL	2202	GENERAL BOTANY	4
			17

JUNIOR FIRST SEMESTER

BIOL	3306	FUNDAMENTALS OF ECOLOGY	4
GEOL	1101	PHYSICAL GEOLOGY	4
EDUC	3331	READING IN CONTENT AREA	3
PHSC	4430	SCIENCE INTEGRATION SEMINAR	1
G.S.		HUM	3
G.S.		CIV	3
			18

JUNIOR SECOND SEMESTER

GEOL	1102	HISTORICAL GEOLOGY	4
PHSC	4431	METHODS & MATERIALS	3
EDUC	3351&CLIN	INCLUSIVE CLASSROOM PRACTICES	4
EDUC	3352&CLIN	EDUCATIONAL PSYCHOLOGY	4
ELECTIVE			3
			18

SENIOR FIRST SEMESTER

BIOL	3380	GENETICS	4
PHYS	2202	ASTRONOMY (ODD YRS)	4
G.S.		HUM	3
G.S.		CIV	3
G.S.		ART	3
			17

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORG	4
EDUC	4495	STUDENT TEACHING CLINICAL	8
			12

CHEMISTRY

The chemistry program's mission is to help students gain a fundamental knowledge of modern chemistry, including the ability to apply computer science, mathematics, biology and physics to the field. The program strives to foster excellent oral and written communication skills, and is approved by the American Chemical Society. With small class sizes, innovative teaching approaches, and hands-on access to modern, research-quality instrumentation, students can develop the analytical, problem-solving and teamwork skills necessary to successfully pursue science-based careers. A student completing the B.S. degree with a major in chemistry will be competitive for graduate study in chemistry or chemical engineering, laboratory positions in the chemical industry, pharmaceutical industry or government agencies, or application to law school. By electing a few additional biology classes, students completing a B.S. degree in chemistry will be prepared for application to a variety of professional and graduate schools, including medical school, dental school, veterinary school, pharmacy school, physical therapy programs, toxicology, pharmaceutical science and forensic science graduate programs

Programs available for students who wish to specialize in chemistry include:

1) The B.S. in Chemistry is certified by the American Chemical Society and provides a well-balanced program of courses in the major fields of chemistry, as well as mathematics and physics. A student completing this program will be a competitive candidate for graduate study or positions in industry or government agencies.
2) The B.S. in Chemistry with an emphasis in biotechnology provides chemistry majors with an additional grounding in biology and prepares students for professional schools and graduate study in forensic science and pharmaceutical sciences.
3) The B.A. in Education with a specialization in chemistry equips the graduate to teach chemistry in any secondary school or to pursue graduate studies in science education.

BACHELOR OF SCIENCE IN CHEMISTRY ....128 SEM. HRS.

Chemistry Curriculum (see below)......... 63-64 SEM. HRS.*
General Studies Requirements .... 37-38 SEM. HRS.
Free Electives.. 26-28 SEM. HRS.*
No Minor Required
(See "Degree Requirements" for General Studies requirements not completed through the major)

**Choosing higher-credit hour alternativcs in the major curriculum rcduces the minimum number of free elective credit hours required to reach 128 semester hours.*

- Chemistry Curriculum .... 63-64 SEM. HRS.

Required courses (63-64 hrs.)

CHEM	1105	CHEMICAL PRINCIPLES I	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STAT. WITH A SPREADSHEET	1
CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2202	ORGANIC CHEMISTRY II	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
CHEM	2215	INTERMEDIATE INSTRUMENTAL ANALYSIS	4
CHEM	3301	PHYSICAL CHEMISTRY I	4
CHEM	3302	PHYSICAL CHEMISTRY II	4
CHEM	4405	ADVANCED INTEGRATED LABORATORY	7
CHEM	4450	ADVANCED INORGANIC CHEMISTRY	3
CHEM	4455	ADVANCES IN MODERN CHEMISTRY	3
BIOL	3360	BIOCHEMISTRY	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
-OR-			
PHYS	1106	PRINCIPLES OF PHYSICS II	5
MATH**	1185	APPLIED CALCULUS I	4
-OR-			
MATH**	1190	CALCULUS I	4
MATH	1186	APPLIED CALCULUS II	4
-OR-			
MATH	3315	CALCULUS II	4

- General Studies Courses.............................. 4-5 SEM. HRS.

Required for this major (4-5 hrs.)

PHYS	1101	INTRODUCTION TO PHYSICS I,	4
-OR -			
PHYS	1105	PRINCIPLES OF PHYSICS I,	5

*** Students who do not meet the prerequisites for MATH 1185 or 1190 will be required to take MATH 1112 and/or MATH 1115.*

- Additional requirements for Biotechnology Emphasis................................20 SEM. HRS.

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	3380	GENETICS	4
BIOL	3390	MOLECULAR BIOTECHNOLOGY	4
MATH	1113	APPLIED STATISTICS	4

MODEL SCHEDULE

Chemistry (B.S.) Math ACT 21-22***

FRESHMAN FIRST SEMESTER

CHEM	1105	CHEMICAL PRINCIPLES I	5
MATH	1112	COLLEGE ALGEBRA	3
ENGL	1104	WRITTEN ENGLISH I	3
ELECTIVE			4
G.S./ELECTIVE			3
-OR-			
COMM 2200 OR 2201 OR 2202			3
			18

FRESHMAN SECOND SEMESTER

CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STATS	1
MATH	1115	TRIGONOMETRY	3
ENGL	1108	WRITTEN ENGLISH II	3
G.S./ELECTIVE			4
			15

SOPHOMORE FIRST SEMESTER

CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
MATH	1185	APPLIED CALCULUS I	4
PHYS	1101	INTRO. TO PHYSICS I	4
			16

SOPHOMORE SECOND SEMESTER

CHEM	2202	ORGANIC CHEMISTRY II	4
CHEM	2215	INTERMED. INSTRUM. ANALYSIS	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
MATH	1186	APPLIED CALCULUS II	4
			16

JUNIOR FIRST SEMESTER

CHEM	3301	PHYSICAL CHEMISTRY I	4
CHEM	4405	ADVANCED INTEGRATED LAB	2
G.S./ELECTIVE			3
-OR-			
COMM 2200 OR 2201 OR 2202			3
G.S./ELECTIVE			3
G.S.			3
			15

JUNIOR SECOND SEMESTER

BIOL	3360	BIOCHEMISTRY	4
CHEM	3302	PHYSICAL CHEMISTRY	4
CHEM	4405	ADVANCED INTEGRATED LAB	2
G.S./ELECTIVE			3
G.S.			3
			16

SENIOR FIRST SEMESTER

CHEM	4450	ADVANCED INORGANIC CHEM	3
CHEM	4405	ADVANCED INTEGRATED LAB	2
G.S./ELECTIVE			3
G.S./ELECTIVE			3
G.S./ELECTIVE			3
G.S.			3
			17

SENIOR SECOND SEMESTER

CHEM	4455	ADVANCES IN MODERN CHEM	3
CHEM	4405	ADVANCED INTEGRATED LAB	1
G.S./ELECTIVE			3
G.S.			3
G.S./ELECTIVE			3
G.S./ELECTIVE			3
			15

Note: Math ACT requirements may be satisfied by COMPASS score equivalents.

****Note: Students with ACT Math less than 21 will need an extra year to take developmental or other prerequisite Math courses and Chem 1101 before beginning the model schedule listed above.*

MODEL SCHEDULE

Chemistry (B.S.) Math ACT 23-Up***

FRESHMAN FIRST SEMESTER

CHEM	1105	CHEMICAL PRINCIPLES I	5
MATH	1115	TRIGONOMETRY (OR HIGHER***)	3
ENGL	1104	WRITTEN ENGLISH I	3
G.S./ELECTIVE			3
-OR-			
COMM	2200 OR 2201 OR 2202		3
ELECTIVE			4
			18

FRESHMAN SECOND SEMESTER

CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STATS	1
MATH	1185	APPLIED CALCULUS I (OR 1190)	4
ENGL	1108	WRITTEN ENGLISH II	3
G.S./ELECTIVE			4
			16

SOPHOMORE FIRST SEMESTER

CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
PHYS	1105	PRINCIPLES OF PHYSICS I (OR 1101)	4
G.S./ELECTIVE			3
-OR- COMM	2200 OR 2201 OR 2202		
			15

SOPHOMORE SECOND SEMESTER

CHEM	2202	ORGANIC CHEMISTRY II	4
CHEM	2215	INTERMEDIATE INSTRUMENTAL ANALYSIS	4
MATH	1186	APPLIED CALCULUS II (OR 3315)	4
PHYS	1106	PRINCIPLES OF PHYSICS II (OR 1102)	4
			16

JUNIOR FIRST SEMESTER

CHEM	3301	PHYSICAL CHEMISTRY I	4
CHEM	4405	ADVANCED INTEGRATED LAB	2
G.S./ELECTIVE			3
G.S./ELECTIVE			3
G.S.			3
			15

JUNIOR SECOND SEMESTER

BIOL	3360	BIOCHEMISTRY	4
CHEM	3302	PHYSICAL CHEMISTRY II	4
CHEM	4405	ADVANCED INTEGRATED LAB	2
G.S./ELECTIVE			3
G.S.			3
			16

SENIOR FIRST SEMESTER

CHEM	4450	ADVANCED INORGANIC CHEM	3
CHEM	4405	ADVANCED INTEGRATED LAB	2
G.S./ELECTIVE			3
G.S./ELECTIVE			3
G.S./ELECTIVE			3
G.S.			3
			17

SENIOR SECOND SEMESTER

CHEM	4455	ADVANCES IN MODERN CHEM	3
CHEM	4405	ADVANCED INTEGRATED LAB	1
G.S./ELECTIVE			3
G.S.			3
G.S./ELECTIVE			3
G.S./ELECTIVE			3
			15

Note: Math ACT requirements may be satisfied by COMPASS score equivalents.

****Note: Students with ACT Math higher than 23 should start in the first semester with the highest math course they can place into, which may be Applied Calculus I (ACT Math 24) or Calculus I (ACT Math 25). This will preserve more options for minors and possible double majors.*

MINOR IN CHEMISTRY ....22 SEM. HRS

Required courses (22 hrs.)

CHEM	1105	CHEMICAL PRINCIPLES I	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STAT. WITH A SPREADSHEET	1
CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2202	ORGANIC CHEMISTRY II	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
-OR-			
CHEM	2215	INTERMEDIATE INSTRUMENTAL ANALYSIS	4

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN CHEMISTRY GRADES 9-ADULT ....131 SEM. HRS.

Chemistry Curriculum (see below)	38 SEM. HRS.*
General Studies Requirements	33 SEM. HRS.
Professional Education Courses	36 SEM. HRS.
Free Electives	24 SEM. HRS.*

No Minor Required

(See "Degree Requirements" for General Studies requirements not completed through the major)

**Choosing higher-credit hour alternatives in the chemistry curriculum reduces the minimum number of free elective credit hours required to reach 128 semester hours.*

- Chemistry Curriculum ....38 SEM. HRS.

  Required courses (38 hrs).

CHEM	1105	CHEMICAL PRINCIPLES I	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STAT. WITH A SPREADSHEET	1
CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
CHEM	3301	PHYSICAL CHEMISTRY I	4
CHEM	4405	ADVANCED INTEGRATED LABORATORY	1-2

MATH**	1185	APPLIED CALCULUS I	4
-OR-			
MATH**	1190	CALCULUS I	4
PHYS	1101/02	INTRODUCTION TO PHYSICS I, II	8
-OR -			
PHYS	1105/06	PRINCIPLES OF PHYSICS I, II	10
PHSC	4431	METHODS AND MATERIALS IN TEACHING SCIENCE	3

***Students who do not meet the prerequisites for MATH 1185 or 1190 will be required to take MATH 1112 and/or MATH 1115. All courses in the specialization must be completed prior to admission to Secondary Student Teaching/Clinical III.*

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRO. TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

The following model schedule outlines how a student can obtain two certifications (Chemistry and General Science). For a complete list of general science certification requirements see the General Science section of the catalog. While only one certification is required, students are strongly encouraged to consult with their advisor regarding the advantages of obtaining certification in more than one area.

FRESHMAN FIRST SEMESTER

CHEM	1105	CHEMICAL PRINCIPLES	5
MATH	1115	TRIGONOMETRY	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS*	3
			17

FRESHMAN SECOND SEMESTER

CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STATS	1
ENGL	1108	WRITTEN ENGLISH II	3
COMM	2200 OR 2201 OR 2202		3
MATH	1185/1190	APPLIED CALC I/CALCULUS I	4
G.S.		CIV	3
			18

SOPHOMORE FIRST SEMESTER

CHEM	2201	ORGANIC CHEMISTRY	4
PHYS	1101	INTRODUCTION TO PHYSICS I	4
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
BIOL	1105	BIOLOGICAL PRINCIPLES I	4
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
			18

SOPHOMORE SECOND SEMESTER

PHYS	1102	INTRODUCTION TO PHYSICS II	4
EDUC	2202	HUMAN GROWTH & DEV	3
EDUC	2202L	HUMAN GROWTH & DEV CLIN II	1
GEOL	1101	PHYSICAL GEOLOGY	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
			16

JUNIOR FIRST SEMESTER

CHEM	2205	ANALYTICAL CHEMISTRY	4
EDUC	3331	READING IN CONTENT AREA	3
PHYS	2202	ASTRONOMY (ODD YRS)	4
PHSC	4430	SCIENCE INTEGRATION SEMINAR	1
G.S		ARTS	3
G.S.		HUM	3
			18

JUNIOR SECOND SEMESTER

PHSC	4431	METHODS & MATERIALS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES & CLIN	4
EDUC	3352	EDUCATIONAL PSYCHOLOGY & CLIN	4
GEOL	1102	HISTORICAL GEOLOGY	4
G.S.		CIV	3
			18

SENIOR FIRST SEMESTER

CHEM	3301	PHYSICAL CHEMISTRY	3
CHEM	4405	ADVANCED INTEGRATED LAB	1
SCIE	1020	INTRODUCTION TO METEOROLOGY	4
G.S.		HUM	3
G.S.		CIV	3
G.S.		ART	3
			17

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORG	4
EDUC	4495	STUDENT TEACHING CLINICAL	8
			12

FORENSICS

The Forensics degree consists of a Forensic Science major that includes biology, chemistry, criminal justice, mathematics, physics and interdisciplinary courses, and prepares students for graduate school and/or employment in scientific laboratories. In addition, an emphasis in biotechnology is available. Candidates for the degree must complete the General Studies requirements as described in the Degree Requirements chapter of this catalog. Students completing the requirements for the Forensic Science major will automatically earn a minor in chemistry.

For forensic science majors, the required science courses satisfy the General Studies scientific discovery requirement and the required math course satisfies the General Studies math requirement. Students interested in graduate school will need to complete additional upper-level science courses. ACT prerequisites for required science and math courses are listed in the catalog under the course description for each course. Students entering with an ACT science reasoning score of 21 or better, ACT Math score of 24 or higher, two units of high school algebra, one unit of high school geometry and one unit of high school trigonometry will be prepared for all courses. Students not meeting this list of prerequisites will need to take specific additional courses and should consult with the forensic science advisor immediately.

BACHELOR OF SCIENCE IN FORENSICS ......128 SEM. HRS.
Forensic Science Curriculum (see below)......75 SEM. HRS.*
General Studies Requirements (includes specific
courses required for the major)....................45 SEM. HRS.
Electives...8 SEM. HRS.*
No Minor Required

**Choosing higher-credit hour alternatives in the major curriculum reduces the minimum number of free elective credit hours required to reach 128 semester hours.*

- Forensic Science Curriculum ....75 SEM. HRS.

Required Courses (75 hrs.)

BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	3360	BIOCHEMISTRY	4
BIOL	3380	GENETICS	4
BIOL	3390	MOLECULAR BIOTECHNOLOGY	4
BIOL	4495	PROBLEMS IN BIOLOGICAL SCIENCE	2
-OR-			
CHEM	4403	INDEPENDENT RESEARCH	2
CHEM	1105	CHEMICAL PRINCIPLES I	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCI. STATISTICS WITH A SPREADSHEET	1
CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2202	ORGANIC CHEMISTRY II	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
CHEM	2215	INTERMEDIATE INSTRUMENTAL ANALYSIS	4
CHEM	2225	FORENSIC MICROSCOPY AND SPECTROSCOPY	3
CRJU	1100	INTRODUCTION TO CRIMINAL JUSTICE	3
CRJU	2236	CRIMINAL INVESTIGATION	3
CRJU	3300	CRIMINALISTICS	3
INTR	3300	FORENSIC CRIMINALISTICS LAB	1
INTR	4401	CAPSTONE SEMINAR IN FORENSIC SCIENCE	3
INTR	4411	FORENSIC SCIENCE INTERNSHIP	2
MATH	1113	APPLIED STATISTICS	4

Specialization Electives (choose 9 hours from the list below; no more than 6 hours may be CRJU courses)

BIOL	2224	MICROBIOLOGY	4
CHEM	3301	PHYSICAL CHEMISTRY I	4
CHEM	3302	PHYSICAL CHEMISTRY II	4
CHEM	4405	ADVANCED INTEGRATED LABORATORY	1-2
CRJU	2226	CRIME SCENE INVESTIGATION	3
CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	2256	HOMICIDE INVESTIGATION	3
CRJU	3320	CRIMINOLOGY	3

- General Studies Courses................................12 SEM. HRS.

Required for this major (12 hrs.)

PHYS	1101/02	INTRODUCTION TO PHYSICS I, II	8
-OR -			
PHYS	1105/06	PRINCIPLES OF PHYSICS I, II	10
MATH	1185	APPLIED CALCULUS I	4
-OR-			
MATH	1190	CALCULUS I	4

Additional requirements for Biotechnology Emphasis (5 hrs.)

CHEM	3301	PHYSICAL CHEMISTRY I	4
CHEM	4405	ADVANCED INTEGRATED LAB	1

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

CHEM	1105	CHEMICAL PRINCIPLES I	5
MATH	1185	APPLIED CALCULUS I	4
ENGL	1104	WRITTEN ENGLISH I	3
CRJU	1100	INTRO. TO CRIMINAL JUSTICE	3
			15

FRESHMAN SECOND SEMESTER

CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STATS.	1
COMM	2200 OR 2201 OR 2202		3
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
ENGL	1108	WRITTEN ENGLISH II	3
INFO	1100	COMP. CONCEPTS & APPS.	3
			18

SOPHOMORE FIRST SEMESTER

CHEM	2201	ORGANIC CHEMISTRY I	4
CRJU	2236	CRIMINAL INVESTIGATION	3
PHYS	1101	INTRO. PHYSICS I (OR 1105)	4
G.S./ELECTIVES			6
			17

SOPHOMORE SECOND SEMESTER

CHEM	2202	ORGANIC CHEMISTRY II	4
PHYS	1102	INTRO. PHYSICS II (OR 1106)	4
MATH	1113	APPLIED STATISTICS	4
CHEM	2225	FORENS. MICROSC. & SPECTRO.	3
			15

JUNIOR FIRST SEMESTER

BIOL	3380	GENETICS	4
BIOL	4495	PROBLEMS IN BIOLOGICAL SCIENCES	2
-OR-			
CHEM	4403	INDEPENDENT RESEARCH	2
CHEM	2205	ANALYTICAL CHEMISTRY	4
G.S./ELECTIVES			3
G.S./ELECTIVES			3
			16

JUNIOR SECOND SEMESTER

BIOL	3390	MOLECULAR BIOTECHNOLOGY	4
CRJU	3300	CRIMINALISTICS	3
INTR	3300	FORENSIC CRIMINALISTICS LAB	1
CHEM	2215	INTERMED. INSTRUM. ANALYSIS	4
G.S./ELECTIVES			3
			15

SENIOR FIRST SEMESTER

INTR	4411	FORENSIC SCIENCE INTERNSHIP	2
SPECIALIZATION			4
SPECIALIZATION			2
G.S./ELECTIVES			3
G.S./ELECTIVES			3
FREE ELECTIVE			2
			16

SENIOR SECOND SEMESTER

INTR	4401	CAPSTONE SEM. IN FORENSIC SCI	3
BIOL	3360	BIOCHEMISTRY	4
SPECIALIZATION			3
G.S./ELECTIVES			3
G.S./ELECTIVES			3
			16

GENERAL SCIENCE

(Teaching Specialization Only)

A general science specialization for grades 5-adult is offered for the B.A. in Education degree, in conjunction with the School of Education. This specialization is typically chosen to accompany one of the discipline-based science specializations, such as the biology, chemistry or physics specialization.

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN GENERAL SCIENCE GRADES 5-ADULT ....128 SEM. HRS.

General Science Curriculum (see below)........48 SEM. HRS.
General Studies Requirements ....36 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)
Professional Education Courses ....36 SEM. HRS.
Free Electives..8 SEM. HRS.

- General Science Curriculum ....48 SEM. HRS.

Required Courses (48 hrs.)

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
CHEM	1105	CHEMICAL PRINCIPLES I	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRACTICAL SCIENTIFIC STAT. WITH A SPREADSHEET	1
GEOL	1101	PHYSICAL GEOLOGY	4

GEOL	1102	HISTORICAL GEOLOGY	4
MATH	1115	TRIGONOMETRY & ELEMENTARY FUNCTIONS	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
PHYS	2202	ASTRONOMY	3
PHSC	4430	SCIENCE INTEGRATION SEMINAR	1
PHSC	4431	METHODS AND MATERIALS IN TEACHING SCIENCE	3
SCIE	1020	INTRODUCTION TO METEOROLOGY	4

**All courses must be completed prior to admission to Secondary Student Teaching/Clinical III.*

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

(see B.A. Biology, Chemistry and Physics)

GEOLOGY

Geology is offered as a fulfillment of the General Studies requirement and as an integral part of various science-oriented teaching fields.

Department of Computer Science, Mathematics, and Physics

Dr. Anthony Gilberti, Dean
302c Engineering Technology Building / (304) 367-4642
agilberti@fairmontstate.edu

FACULTY

BAKER, RANDALL (1986)
Assistant Professor of Computer Science

BACHLECHNER, MARTINA (2007)
Temporary Instructor Online Physics

DUNLEVY, JAMES O. (1965-69; 1972)
Associate Professor of Mathematics

GOODWIN, SUSAN (1989)
Professor of Mathematics

HANSEN, GALEN J. (1994)
Professor of Physics

HARRIS, MELANIE J. ROWE (1971)
Professor of Mathematics

HAYNES, D. STEPHEN (1970)
Professor of Physics

HOSSAIN, MAHMOOD (2006)
Assistant Professor of Computer Science

LARUE, A. DENNINE (2006)
Temporary Assistant Professor of Mathematics

LARUE, THEODORE K. (1982)
Assistant Professor of Computer Science

MARTIN, ASHLEY M. (1980)
Professor of Physics

RIESEN, JOSEPH (1992)
Professor of Mathematics
Graduate Faculty

TOBIN, DONALD L. JR. (2003)
Assistant Professor of Computer Science

COMPUTER SCIENCE

Computer Science is the study and implementation of algorithmic processes that describe and transform information. The computer science program at FSU offers two majors: one in Computer Science and one in Computer Security. Because of the diversity of application areas, and the goal of computing benefiting humankind, computer scientists should be broadly educated and will receive a well-balanced curriculum in mathematics and the humanities.

Computer Science is a broad discipline that encompasses many areas of specialization, with an ever-growing array of opportunities. Graduates in this area can find employment in a wide spectrum of commercial companies or government agencies, as well as be competitive for graduate school and advanced study. Personal niches can be found in software or system development, system administration, computer security, or any one of a number of new and developing computing technologies. Students may complete the B.S. in Computer Science in preparation for immediate employment in a software development position or in preparation for graduate studies. Because of rapid changes in this field, requirements are designed to provide students with a fundamental understanding of those concepts of computer science which will enable them to adapt to any current computing environment.

NOTES: Students should attempt to complete COMP 1102, COMP 1108, and MATH 1190 by the end of their freshman year.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE ....128 SEM. HRS.
Computer Science Curriculum ....64 SEM. HRS.
General Studies Requirements ....40 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)
Free Electives..24 SEM. HRS.

- Computer Science Curriculum.......................64 SEM. HRS.

COMP	1100	INTRODUCTION TO COMPUTING	3
COMP	1102	PRINCIPLES OF PROGRAMMING I	3
COMP	1108	PRINCIPLES OF PROGRAMMING II	3
COMP	2200	OBJECT-ORIENTED PROGRAMMING	3
COMP	2201	MACHINE ORGANIZATION	3
COMP	2230	NETWORK PROGRAMMING	3
COMP	2270	DATA STRUCTURES	3
COMP	3300	COMPUTER GRAPHICS	3
-OR-			
COMP	3310	ARTIFICIAL INTELLIGENCE	3
COMP	3330	ANALYSIS OF ALGORITHMS	3
COMP	3340	OPERATING SYSTEMS	3
COMP	3395	ETHICAL ISSUES IN COMPUTING	3
COMP	4400	AUTOMATA AND LANGUAGE DESIGN	3
COMP	4410	DATABASE MANAGEMENT	3
COMP	4440	SOFTWARE ENGINEERING	4

- Math and Science Requirements ....31 SEM HRS.

MATH	1190	CALCULUS I	4
MATH	2200	MATHEMATICAL LOGIC	3
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3
MATH	3315	CALCULUS II	4
MATH	3335	PROBABILITY AND STATISTICS	3
PHYS	1105	PRINCIPLES OF PHYSICS I	5
PHYS	1106	PRINCIPLES OF PHYSICS II	5
CHEM	1101	GENERAL CHEMISTRY I	4
-OR-			
BIOL	1105	BIOLOGICAL PRINCIPLES I	4
-OR-			
SCIE	XXXX	ANY SCIE COURSE	4

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

COMP	1100	INTRODUCTION TO COMPUTING	3
COMP	1102	PRINCIPLES OF PROGRAMMING I	3
MATH	1190	CALCULUS I	4
ENGL	1104	WRITTEN ENGLISH I	3
GENERAL STUDIES CIVILIZATION			3
			16

FRESHMAN SECOND SEMESTER

COMP	1108	PRINCIPLES OF PROGRAMMING II	3
MATH	3315	CALCULUS II	4
ENGL	1108	WRITTEN ENGLISH II	3
GENERAL STUDIES HUMAN INTERACTION			3
MINOR/ELECTIVE			3
			16

SOPHOMORE FIRST SEMESTER

COMP	2200	OBJECT-ORIENTED PROGRAMMING	3
COMP	2270	DATA STRUCTURES	3
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
CHEM	1101	GENERAL CHEMISTRY I	4
-OR-			
BIOL	1105	BIOLOGICAL PRINCIPLES I	4
-OR-			
SCIE	XXXX	ANY SCIE COURSE	4
			16

SOPHOMORE SECOND SEMESTER

COMP	2201	MACHINE ORGANIZATION	3
COMP	2230	NETWORK PROGRAMMING	3
MATH	2200	MATHEMATICAL LOGIC	3
GENERAL STUDIES CIVILIZATION			3
GENERAL STUDIES ARTISTIC			3
			15

JUNIOR FIRST SEMESTER

COMP	3330	ANALYSIS OF ALGORITHMS	3
COMP	3340	OPERATING SYSTEMS	3
PHYS	1105	PRINCIPLES OF PHYSICS I	5
GENERAL STUDIES ARTISTIC			3
MINOR/ELECTIVE			3
			17

JUNIOR SECOND SEMESTER

COMP	3300	COMPUTER GRAPHICS	3
-OR-			
COMP	3310	ARTIFICIAL INTELLIGENCE	3
COMP	3395	ETHICAL ISSUES IN COMPUTING	3
PHYS	1106	PRINCIPLES OF PHYSICS II	5
GENERAL STUDIES HUMAN INTERACTION			3
MINOR/ELECTIVE			3
			17

SENIOR FIRST SEMESTER

COMP	4400	AUTOMATA AND LANGUAGE DESIGN	3
COMP	4410	DATABASE MANAGEMENT	3
GENERAL STUDIES HUMAN INTERACTION			3
MINOR/ELECTIVE			6
			15

SENIOR SECOND SEMESTER

COMP	4440	SOFTWARE ENGINEERING	4
MATH	3335	PROBABILITY AND STATISTICS	3
MINOR/ELECTIVE			9
			16

Computer Security Curriculum *(see below)*..65 SEM. HRS.
General Studies Requirements ....38 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)
Free Electives..25 SEM. HRS.
Minor (not required)

- Computer Security Curriculum ....65 SEM. HRS.

Required Courses (65 hrs.)

COMP	1100	INTRODUCTION TO COMPUTING	3
COMP	1102	PRINCIPLES OF PROGRAMMING I	3
COMP	1108	PRINCIPLES OF PROGRAMMING II	3
COMP	2200	OBJECT-ORIENTED PROGRAMMING	3
COMP	2201	MACHINE ORGANIZATION	3
COMP	2220	FUNDAMENTALS OF COMPUTER SECURITY	3
COMP	2230	NETWORK PROGRAMMING	3
COMP	2270	DATA STRUCTURES	3
COMP	3340	OPERATING SYSTEMS	3
COMP	3380	CRYPTOGRAPHY IN COMPUTER SECURITY	4
COMP	3390	NETWORK SECURITY TECHNOLOGY	4
COMP	3395	ETHICAL ISSUES IN COMPUTING	3
COMP	4410	DATABASE MANAGEMENT	3
COMP	4415	VULNERABILITY ASSESSMENT	4
COMP	4495	COMPUTER SECURITY INTERNSHIP	3
INFO	2250	NETWORKING FUNDAMENTALS	3
MATH	1170	INTRODUCTION TO MATHEMATICAL ANALYSIS	4
MATH	1190	CALCULUS I	4
MATH	2200	MATHEMATICAL LOGIC	3
MATH	2216	DISCRETE MATHEMATICS	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

COMP	1100	INTRODUCTION TO COMPUTING	3
COMP	1102	PRINCIPLES OF PROGRAMMING I	3
MATH	1170	INTRODUCTION TO MATHEMATICAL ANALYSIS	4
ENGL	1104	WRITTEN ENGLISH I	3
GENERAL STUDIES CIVILIZATION			3
			16

FRESHMAN SECOND SEMESTER

COMP	1108	PRINCIPLES OF PROGRAMMING	3
MATH	1190	CALCULUS I	4
ENGL	1108	WRITTEN ENGLISH II	3
MATH	2200	MATHEMATICAL LOGIC	3
GENERAL STUDIES CIVILIZATION			3
			16

SOPHOMORE FIRST SEMESTER

COMP	2200	OBJECT-ORIENTED PROGRAMMING	3
COMP	2270	DATA STRUCTURES	3
INFO	2250	NETWORKING FUNDAMENTALS	3
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3
GENERAL STUDIES SCIENCE			4
			16

SOPHOMORE SECOND SEMESTER

COMP	2201	MACHINE ORGANIZATION	3
COMP	2230	NETWORK PROGRAMMING	3
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
GENERAL STUDIES SCIENCE			4
GENERAL STUDIES CIVILIZATION			3
			16

JUNIOR FIRST SEMESTER

COMP	2220	FUNDAMENTALS OF COMPUTER SECURITY	3
COMP	3340	OPERATING SYSTEMS	3
GENERAL STUDIES HUMAN INTERACTION			3
MINOR/ELECTIVE			6
			15

JUNIOR SECOND SEMESTER

COMP	3390	NETWORK SECURITY TECHNOLOGY	4
COMP	3395	ETHICAL ISSUES IN COMPUTING	3
GENERAL STUDIES HUMAN INTERACTION			3
MINOR/ELECTIVE			6
			16

SENIOR FIRST SEMESTER

COMP	3380	CRYPTOGRAPHY IN COMPUTER SECURITY	4
COMP	4410	DATABASE MANAGEMENT	3
GENERAL STUDIES ARTISTIC			3
MINOR/ELECTIVE			6
			16

SENIOR SECOND SEMESTER

COMP	4415	VULNERABILITY ASSESSMENT	4
COMP	4495	COMPUTER SECURITY INTERNSHIP	3
GENERAL STUDIES ARTISTIC			3
MINOR/ELECTIVE			7
			17

MINOR IN COMPUTER SCIENCE .... 18 SEM. HRS.

Required Courses (9 hrs.)

COMP	1102	PRINCIPLES OF PROGRAMMING I	3
COMP	1108	PRINCIPLES OF PROGRAMMING II	3
COMP	2200	OBJECT-ORIENTED PROGRAMMING	3

Electives (9 hrs)

COMP	2201	MACHINE ORGANIZATION	3
COMP	2220	FUNDAMENTALS OF COMPUTER SECURITY	3
COMP	2230	NETWORK PROGRAMMING	3
COMP	2270	DATA STRUCTURES	3
COMP	3300	COMPUTER GRAPHICS	3
COMP	3395	ETHICAL ISSUES IN COMPUTING	3
COMP	4440	SOFTWARE ENGINEERING	4
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3

MATHEMATICS

The mission of the mathematics degree programs is to equip students with analytic and problem solving skills for careers and graduate study.

Classes develop student abilities and aptitudes to apply mathematical methods and ideas not only to problems in mathematics and related fields such as the sciences, computer science, actuarial science, or statistics, but also to virtually any area of inquiry

Students learn to communicate ideas effectively and to digest new information and concepts independently.

Students are encouraged to develop intellectually and to become involved with professional organizations.

Students interested in mathematics have the option of selecting one of the following degree programs:

1) the Bachelor of Science degree in Mathematics, as preparation for immediate employment or for graduate.
2) the Bachelor of Arts in Education degree with a 5-Adult comprehensive specialization as preparation for teaching mathematics. Completion of a B.A. in Education with Specialization in Mathematics Grades 5-Adult results in concurrent completion of a B.S. in Mathematics. Students pursuing these degrees are advised in the math department. NOTE: MATH 1190, 3315, 3316, and 2212 are required for both degrees and should be completed early in the program.
3) the Mathematics 5-9 teaching specialization can be added to an Elementary Education degree or as a second specialization with a B.A. in Education.

It is expected that incoming students in this field will present a minimum of four units of high school mathematics, including two units of algebra, one unit of integrated geometry (or equivalent), and one advanced unit such as Trigonometry or Pre-Calculus. Students without this background may be required to complete appropriate lower-level courses in addition to the stated requirements. Students should consult with their advisor concerning credit for prerequisites and special examinations for course credit. All students majoring in mathematics must complete a minor. Students who are receiving a teaching certificate generally use Education as their minor.

BACHELOR OF SCIENCE IN MATHEMATICS	128 SEM. HRS.
Mathematics Curriculum (see below)	43 SEM. HRS.*
Minor (Required)	18-24 SEM. HRS.
General Studies Requirements	37 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Free Electives	24-30 SEM. HRS.*

**Choosing higher-credit hour alternatives in the mathematics curriculum reduces the minimum number of free elective credit hours required to reach 128 semester hours.*

- Mathematics Curriculum .... 43 SEM. HRS.

Required Courses (34 hrs.)

MATH	1190	CALCULUS I	4
MATH	2200	MATHEMATICAL LOGIC	3
MATH	2212	SETS, RELATIONS AND FUNCTIONS	3
MATH	3315	CALCULUS II	4
MATH	3316	CALCULUS III	4
MATH	3335	PROBABILITY AND STATISTICS	3
MATH	3361	ABSTRACT ALGEBRA	3
MATH	3362	LINEAR ALGEBRA	3
COMP	1102	PRINCIPLES OF PROGRAMMING I	3

Any one of the following science courses:

CHEM	1101	GENERAL CHEMISTRY I	4
CHEM	1105	CHEMICAL PRINCIPLES I	5
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1105	PRINCIPLES OF PHYSICS I	5

Math Electives (9 hrs)
(Choose three courses from Groups A and B. At least one course must be chosen from Group A.)

GROUP A:

MATH	3375	TOPOLOGY	3
MATH	3391	REAL ANALYSIS	3

GROUP B:

MATH	2206	INTRODUCTION TO THE THEORY OF NUMBERS	3
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3
MATH	3342	NUMERICAL ANALYSIS	3
MATH	3372	MODERN GEOMETRY	3
MATH	4401	DIFFERENTIAL EQUATIONS	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

MATH	1190	CALCULUS I	4
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMP. CON. & APPS.	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			16

FRESHMAN SECOND SEMESTER

MATH	3315	CALCULUS II	4
ENGL	1108	WRITTEN ENGLISH II	3
COMP	1102	PRINCIPLES OF PROGRAM I	3
MATH	1113	APPLIED STATISTICS OR ELECTIVE	3-4
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
			16-17

SOPHOMORE FIRST SEMESTER

MATH	3316	CALCULUS III	4
MATH	2212	SETS, RELATIONS & FUNCTIONS	3
GENERAL STUDIES CIVILIZATION			3
SCIENCE I (FROM LIST ABOVE)			4-5
MINOR ELECTIVE			3
			17-18

SOPHOMORE SECOND SEMESTER

MATH	2200	MATHEMATICAL LOGIC	3
MATH	3335	PROBABILITY & STATISTICS	3
GENERAL STUDIES SCIENCE			4-5
GENERAL STUDIES CIVILIZATION			3
MINOR ELECTIVE			3
			16-17

JUNIOR FIRST SEMESTER

MATH	3362	LINEAR ALGEBRA	3
MATH ELECTIVE			3
MINOR ELECTIVE			3
GENERAL STUDIES ART, MUSIC OR THEATRE APPRECIATION			3
MINOR ELECTIVES			5-6
			17-18

JUNIOR SECOND SEMESTER

MATH	3361	ABSTRACT ALGEBRA	3
MINOR ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
-OR-			
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
MINOR LIB/GENERAL STUDIES GENERAL ELECTIVE			3
			15

SENIOR FIRST SEMESTER

MATH ELECTIVE			3
MINOR ELECTIVE			3
MINOR ELECTIVE			9-12
			15-18

SENIOR SECOND SEMESTER

MATH	3375	TOPOLOGY	3
-OR-			
MATH	3391	REAL ANALYSIS	3
MINOR ELECTIVE			12
			15

MINOR IN MATHEMATICS ....24 SEM. HRS.

Required Courses (12 hrs.)

MATH	1190	CALCULUS I	4
MATH	3315	CALCULUS II	4
MATH	3316	CALCULUS III	4

Electives (12 hrs.)
(Choose four courses from the following list. At least two choices must be at the 3300 level or above.)

MATH	2200	MATHEMATICAL LOGIC	3
MATH	2206	INTRODUCTION TO THE THEORY OF NUMBERS	3
MATH	2212	SETS, RELATIONS AND FUNCTIONS	3
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3
MATH	3335	PROBABILITY AND STATISTICS I	3
MATH	3342	NUMERICAL ANALYSIS	3
MATH	3361	ABSTRACT ALGEBRA	3
MATH	3362	LINEAR ALGEBRA	3
MATH	3372	MODERN GEOMETRY	3
MATH	3375	TOPOLOGY	3
MATH	3391	REAL ANALYSIS	3
MATH	4401	DIFFERENTIAL EQUATIONS	3

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN MATHEMATICS GRADES 5-ADULT ....131 SEM. HRS.

Mathematics Curriculum (see below)	46 SEM. HRS.*
General Studies Requirements	37 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Professional Education Courses	36 SEM. HRS.
Free Electives	12 SEM. HRS.*

**Choosing higher-credit hour alternatives in the mathematics curriculum reduces the minimum number of free elective credit hours required to reach 128 semester hours.*

- Mathematics Curriculum ....46 SEM. HRS.

Required Courses (43 hrs.)

MATH	1190	CALCULUS I	4
MATH	2200	MATHEMATICAL LOGIC	3
MATH	2212	SETS, RELATIONS AND FUNCTIONS	3
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3
MATH	3315	CALCULUS II	4
MATH	3316	CALCULUS III	4
MATH	3335	PROBABILITY AND STATISTICS	3
MATH	3361	ABSTRACT ALGEBRA	3
MATH	3362	LINEAR ALGEBRA	3
MATH	3372	MODERN GEOMETRY	3
MATH	4431	METHODS & MATERIALS OF TEACHING MATH	3
COMP	1102	PRIN. OF PROGRAMMING I	3

Any one of the following science courses:

CHEM	1101	GENERAL CHEMISTRY I	4
CHEM	1105	CHEMICAL PRINCIPLES I	5
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1105	PRINCIPLES OF PHYSICS I	5

Electives (3 hrs.)
(Choose one of the following.)

MATH	3375	TOPOLOGY	3
MATH	3391	REAL ANALYSIS	3

**All courses must be completed prior to admission to Secondary Student Teaching/Clinical III.*

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

MATH	1190	CALCULUS I	4
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMP. CONC. & APPLS.	3
G.S.		SOC/HUM	3
			16

FRESHMAN SECOND SEMESTER

EDUC	2200	INTRO. TO EDUCATION	3
MATH	3315	CALCULUS II	4
ENGL	1108	WRITTEN ENGLISH II	3
COMP	1102	PRINCIPLES OF PROG. I	3
MATH	1113	OR ELECTIVE	3
			16

SOPHOMORE FIRST SEMESTER

MATH	3316	CALCULUS III	4
MATH	2212	SETS, RELATIONS AND FUNCTIONS	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2220	INTRO TO SPECIAL EDUCATION	3
SCIENCE (FROM LIST ABOVE)			4-5
			16-17

SOPHOMORE SECOND SEMESTER

MATH	3335	PROBABILITY & STATS	3
G.S.		CULTURE/CIVILIZATION	3
EDUC	2202	HUMAN GROWTH & DEV.	3
EDUC	2202L	LAB	1
G.S.		SCI	4-5
MATH	2200	MATHEMATICAL LOGIC	3
			17-18

JUNIOR FIRST SEMESTER

MATH	2216	DISCRETE	3
MATH	3362	LINEAR ALG	3
-OR-			
MATH	3372	GEOMETRY	3
EDUC	3331	READING IN CONTENT AREA	3
G.S.		CULTURE/CIVILIZATION	3
G.S.		SOC/HUM	3
ELECTIVES			3
			18

JUNIOR SECOND SEMESTER

MATH	3361	ABSTRACT ALGEBRA	3
G.S.		CIV.	3
G.S.		CREATIVE EXPRESSION	3
MATH	3375/3391	TOPOLOGY/REAL ANALYSIS	3
ELECTIVES			3-4
			15-16

SENIOR FIRST SEMESTER

MATH	4431	MATH METHODS	3
MATH	3362	LINEAR ALG	3
-OR-			
MATH	3372	GEOMETRY	3
G.S.		CREATIVE EXPRESSION	3
EDUC	3351 & LAB	INCLUSIVE CLASSROOM PRACTICES	4
EDUC	3352 & LAB	EDUCATIONAL PSYCHOLOGY	4
			17

SENIOR SECOND SEMESTER

EDUC	3395	CLASSROOM ORG. & PRACT.	4
EDUC	4495	STUDENT TEACHING	8
			12

MATHEMATICS TEACHING SPECIALIZATION, GRADES 5-9 ....29 SEM. HRS.

This specialization prepares teacher candidates for general mathematics through Algebra I.

Required courses (29 hrs.)

MATH	1112	COLLEGE ALGEBRA*	3
MATH	1113	APPLIED STATISTICS	4
MATH	1115	TRIG. AND ELEMENTARY FUNCTIONS	3
MATH	1185	APPLIED CALCULUS I	4
MATH	2216	INTRODUCTION TO DISCRETE MATHEMATICS	3
MATH	2251	STRUCTURE OF THE REAL NUMBERS	3
MATH	2252	DATA ANALYSIS AND GEOMETRY	3
MATH	3353	MATH METHODS FOR ELEMENTARY TEACHERS	3
MATH*	4431	METHODS & MATERIALS IN TEACHING MATH	3

** omit if Math ACT greater than or equal to 23*

PHYSICS (MINOR ONLY)

The physics program provides students in science, mathematics, technology, secondary education and various pre-professional programs with an understanding of fundamental concepts and principles that govern the physical universe. Physics students utilize mathematical methods, observation and critical reasoning to describe and analyze relationships between properties of matter and the interactions that cause things to change. The physics program's goal is to provide an environment for the development and application of analytic and problem-solving skills needed for careers and graduate study. Students may earn a minor in physics that complements majors in science, math, computer science and technology. A physics single specialization for grades 9-adult (see below) and a general science specialization (see Department of Biology, Chemistry and Geoscience) for grades 5-adult are also offered for the B.A. in Education degree, in conjunction with the School of Education. The Physics single specialization is a mostly on-line set of courses, making the program easier for nontraditional students or for professionals who need to add a physics specialization.

MINOR IN PHYSICS ....30 SEM. HRS.

Required courses (30 hrs.)

PHYS*	1101/02	INTRODUCTION TO PHYSICS I, II	8
PHYS	3310	ELECTRICITY AND ELECTRONICS	4
PHYS	3325	ADVANCED PHYSICS I	4
PHYS	3335	ADVANCED PHYSICS II	4
PHYS	3340	SPECIAL PROBLEMS	2
MATH	1185	APPLIED CALCULUS I	4
-OR-			
MATH	1190	CALCULUS I	4
-OR-			

TECH	2290	ENGINEERING ANALYSIS I	4
MATH	1186	APPLIED CALCULUS II	4
-OR-			
MATH	3315	CALCULUS II	4
-OR-			
TECH	3300	ENGINEERING ANALYSIS II	4

**PHYS 1105/06 is strongly recommended in place of 1101/02, but not required.*

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN PHYSICS GRADES 9-ADULT ....131 SEM. HRS.

Physics Curriculum (see below)....................43 SEM. HRS.*

General Studies Requirements ....33 SEM. HRS.

(See "Degree Requirements" for General Studies requirements not completed through the major).

Professional Education Courses ....36 SEM. HRS.

Free Electives...19 SEM. HRS.*

**Choosing higher-credit hour alternatives in the physics curriculum reduces the minimum number of free elective credit hours required to reach 128 semester hours.*

- Physics Curriculum ....43 SEM. HRS.

Required courses (43 hrs.)
(the above number includes courses included as directed General Studies courses)

PHYS*	**1105/1106	PRINCIPLES OF PHYSICS I, II	10
OR			
PHYS	1101/1102	INTRODUCTION TO PHYSICS I, II	8
PHYS	3211, 3212	INTERMEDIATE PHYSICS IA,IB	6
PHYS	3221, 3222	INTERMEDIATE PHYSICS IIA, IIB	6
PHYS	3230	INTERMEDIATE PHYSICS LABORATORY	2
PHSC	4431	METHODS AND MATERIALS IN TEACHING SCIENCE	3
MATH	3315	CALCULUS II	4
-OR-			
MATH	1186	APPLIED CALCULUS II	4
-OR-			
TECH	3300	ENGINEERING ANALYSIS II	4

NOTE: Additional required science and math courses are included as directed General Studies credits. These include an additional 4-sem.hrs of math and 8-sm.hrs. of chemistry

All courses must be completed prior to admission to Secondary Student Teaching/Clinical III. Chemistry 1105/06 is strongly recommended in place of 1101/02, but not required.

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

(Including courses for the General Science Specialization)

FRESHMAN FIRST SEMESTER

CHEM	1105	CHEMICAL PRINCIPLES I	5
MATH	1115	TRIGONOMETRY	3
-OR-			
MATH	1185/1190	APPLIED CALC I/CALCULUS I	4
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS*	3
COMM	2200 OR 2201 OR 2202		3
			17/18

FRESHMAN SECOND SEMESTER

CHEM	1106	CHEMICAL PRINCIPLES II	4
CHEM	1113	PRAC. SCIENTIFIC STATS	1
ENGL	1108	WRITTEN ENGLISH II	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
MATH	1185/1190	APPLIED CALCI/CALCULUS I	4
-OR-			
MATH	1186/3315	APPLIED CALC II/CALCULUS II	4
GENERAL STUDIES ART			3
			18

SOPHOMORE FIRST SEMESTER

GENERAL ELECTIVE			3
PHYS	1105	PRINCIPLES OF PHYSICS I	5
-OR-			
PHYS	1101	INTRODUCTION TO PHYSICS I	4
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
BIOL	1105	BIOLOGICAL PRINCIPLES I	4
GENERAL STUDIES CIVILIZATION			3
			17/18

SOPHOMORE SECOND SEMESTER

PHYS	1106	PRINCIPLES OF PHYSICS II	5
-OR-			
PHYS	1102	INTRODUCTION TO PHYSICS II	4
EDUC	2202/2202L	HUMAN GROWTH & DEV & CLIN	4
EDUC	2220	INTRO TO SPECIAL EDUCATION	3
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
GENERAL STUDIES HUMAN INTERACTION			3
-OR-			
MATH	1186	APPLIED CALC II	4
-OR-			
MATH	3315	CALCULUS II	4
			18/20

JUNIOR FIRST SEMESTER

PHYS	3311	INTERMEDIATE PHYSICS IA	3
PHYS	3312	INTERMEDIATE PHYSICS IB	3
EDUC	3351&CLIN	INCL CLASS PRACTICES	4
EDUC	3352&CLIN	EDUCATIONAL PSYCHOLOGY (WI)	4
GEOL	1101	PHYSICAL GEOLOGY	4
			18

JUNIOR SECOND SEMESTER

PHYS	3321	INTERMEDIATE PHYSICS IIA	3
PHYS	3322	INTERMEDIATE PHYSICS IIB	3
GEOL	1102	HISTORICAL GEOLOGY	4
PHSC	4431	METHODS & MATERIALS	3
GENERAL STUDIES CIVILIZATION			3
			16

SENIOR FIRST SEMESTER

PHYS	3330	INTERMEDIATE PHYSICS LAB	2
PHYS	2202	ASTRONOMY (EVEN YEARS)	4
EDUC	3331	READING IN THE CONTENT AREA	3
GENERAL STUDIES CIVILIZATION			3
GENERAL STUDIES HUMAN INTERACTION			3
GENERAL STUDIES ART			3
			18

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORG.	4
EDUC	4495	STUDENT TEACHING CLINICAL	8
			12

Department of Technology

Dr. Anthony F. Gilberti, Dean
302c Engineering Technology Building / (304) 367-4642
agilberti@fairmontstate.edu

FACULTY

ABBOTT, MELISSA W., CSP (2003)
Associate Professor of Occupational Safety

ALLEN, LARRY C. (2000)
Associate Professor of Electronics Engineering Technology

BOLYARD, GARY (1984)
Assistant Professor of Technology Education Technology

BOLYARD, JASON (2007)
Temporary Assistant Professor of Civil Engineering

COMO, TIA M., P.E. (1998)
Professor of Architecture/Civil Engineering Technology

FREEMAN, PHILIP M. AIA (2003)
Associate Professor of Architecture

GILBERTI, ANTHONY F. (2007)
Professor of Technology Education

GOODWIN, JAMES C. (1971)
Associate Professor of Electronics Engineering Technology

MORPHEW, KIRK L. (2000)
Associate Professor of Architecture

MURPHY, KIMBERLY, CSHM, CSP (1991)
Associate Professor of Occupational Safety

POLAND, MICHELLE (2008)
Instructor of Mechanical Engineering Technology

VASSIL, JAMES E., E.I. (2002)
Assistant Professor of Civil Engineering Technology

ZICKEFOOSE, GARY, P.E. (1984)
Associate Professor of Civil Engineering Technology

AVIATION TECHNOLOGY

The Bachelor of Science in Aviation Technology is offered to students whose career objective is the management and operation of airside activities in the aviation industry. The program provides the graduate with technical competence in an aviation-related career as well as the skills needed to assume supervisory responsibilities. There are several areas of specialization in this degree: Aviation Administration (which has a focus on management), Aviation Administration with a Flight option, and Aviation Maintenance Management. All Aviation Technology students are required to take the Aviation Common Core requirements listed below.

- Aviation Common Core .... 27-30 SEM. HRS.

AVMA	3301	AVIATION HISTORY	3
AVMA	3302	AVIATION LAW	3
AVMA	3303	AIRLINE OPERATIONS	3
AVMA	3304	AVIATION MAINTENANCE MANAGEMENT	3
AVMA	3305	GENERAL AVIATION OPERATIONS	3
AVMA	3307	AVIATION SAFETY	3
AVMA	4402	FISCAL ASPECTS OF AVIATION MANAGEMENT	3
MANF*	2250	TOTAL QUALITY AND SPC	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MGMT	3390	HUMAN BEHAVIOR IN ORGANIZATIONS	3

**Not required for the Aviation Maintenance Management Option*

AVIATION ADMINISTRATION ....134 SEM. HRS.
Aviation Common Core ....30 SEM. HRS.
Aviation Admin. Curriculum (see below)........65 SEM. HRS.
General Studies Requirements ....39 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)

This option prepares the student for employment in administrative areas with companies in and related to the aviation industry. Typical positions include airport manager, flight dispatcher, flight scheduler, crew coordinator, air cargo administration, aviation marketing, air traffic controller, and online management. A Flight Option is available within this degree; see details below.

- Aviation Administration Curriculum...............88 SEM. HRS.

Required Courses (79 hrs.)

ACCT	2201	PRINCIPLES OF ACCOUNTING	3
AVMA	1100	AIRCRAFT FLIGHT THEORY	3
AVMA	1102	INTRODUCTION TO AIR TRAFFIC CONTROL	3
AVMA	2206	AVIATION SECURITY	3
AVMA	2210	AVIATION METEOROLOGY	3
AVMA	2211	AIRPORT MANAGEMENT	3
AVMA	2213	AIRPORT PLANNING AND DEVELOPMENT	3
AVMA	2214	ADVANCED AIR TRAFFIC CONTROL	3
BUSN	3310	BUSINESS STATISTICS	3
COMM	2200 OR 2201 OR 2202		3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
ECON	2200	ECONOMICS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MGMT	4402	ORGANIZATIONAL CHANGE & DEVELOPMENT	3
-OR-			
MGMT	4405	OPERATIONS MANAGEMENT	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
SFTY	1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY	3
SFTY	1150	SAFETY MGT. & CONCEPTS IN ACCIDENT PREV.	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3

Electives (9 hrs.)

FLIGHT OPTION

Students will substitute the following courses in lieu of AVMA 1100, 2210, and 3399 (Elective) for a Flight Option in the Aviation Administration degree. Flight fees for students to obtain their private, commercial, or instrument license must be paid during the semester in which you enroll in the class.

AVMA	1101	PRIVATE PILOT TECHNOLOGY	3
AVMA	2201	INSTRUMENT PILOT TECHNOLOGY	3
AVMA	3300	COMMERCIAL PILOT TECHNOLOGY	3

MINOR IN AVIATION ADMINISTRATION (No Flight)........................21 SEM. HRS.

Required Courses (15 hrs.)

AVMA	1100	AIRCRAFT FLIGHT THEORY	3
AVMA	1102	INTRODUCTION TO AIR TRAFFIC CONTROL	3
AVMA	2211	AIRPORT MANAGEMENT	3
AVMA	3303	AIRLINE OPERATIONS	3
AVMA	3305	GENERAL AVIATION OPERATIONS	3

Electives (6 hrs.)
(Select two courses from the following list.)

AVMA	2213	AIRPORT PLANNING AND DEVELOPMENT	3
AVMA	3301	AVIATION HISTORY	3
AVMA	3302	AVIATION LAW	3
AVMA	3307	AVIATION SAFETY	3
AVMA	4401	AVIATION INDUSTRY RESEARCH & ANALYSIS	3

MINOR IN AVIATION ADMINISTRATION (Flight Option)..18 SEM. HRS.

Required Courses (12 hrs.)

AVMA	1101	PRIVATE PILOT TECHNOLOGY	3
AVMA	3301	AVIATION HISTORY	3
AVMA	3302	AVIATION LAW	3
AVMA	3305	GENERAL AVIATION OPERATIONS	3

Electives (6 hrs.)
(Select two courses from the following list.)

AVMA	2211	AIRPORT MANAGEMENT	3
AVMA	2213	AIRPORT PLANNING AND DEVELOPMENT	3
AVMA	2214	ADVANCED AIR TRAFFIC CONTROL	3
AVMA	3303	AIRLINE OPERATIONS	3
AVMA	3307	AVIATION SAFETY	3

AVIATION ADMINISTRATION MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

AVMA	1101	PRIVATE PILOT TECHNOLOGY	3
AVMA	1103	PRIVATE PILOT FLIGHT LAB	3
AVMA	1102	INTRO TO AIR TRAFFIC CONTROL	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
ENGL	1104	WRITTEN ENGLISH	3
MATH	1101	TECHNICAL MATH 1	3
			18

FRESHMAN SECOND SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING	3
AVMA	2211	AIRPORT MANAGEMENT	3
ENGL	1108	ADVANCED WRITTEN ENGLISH	3
MATH	1102	TECHNICAL MATH II	3
SOCY	1110	INTRO TO SOCIOLOGY	3
COMM	2200, 2201 OR 2202		3
			18

SOPHOMORE FIRST SEMESTER

AVMA	2201	INSTRUMENT PILOT TECHNOLOGY	3
AVMA	2204	INSTRUMENT PILOT FLIGHT LAB	3
AVMA	2213	AIRPORT PLANNING & DEVELOPMENT	3
ENGL	1109	TECHNICAL REPORT WRITING	3
PHYS	1101	INTRO TO PHYSICS I	4
SFTY	1101	SAFETY & ENVIRON. COMP. OF INDUSTRY	3
			19

SOPHOMORE SECOND SEMESTER

AVMA	2214	ADV. AIR TRAFFIC CONTROL	3
AVMA	3304	AVIATION MAINTENANCE MANAGEMENT	3
AVMA	3305	GENERAL AVIATION OPERATIONS	3
PHYS	1102	INTRO. TO PHYSICS II	4
PSYC	1101	INTRO. TO PSYCHOLOGY	3
SFTY	1150	SAFETY TECHNIQUES & PRACTICES	3
			19

JUNIOR FIRST SEMESTER

AVMA	3300	COMMERCIAL PILOT TECHNOLOGY	3
AVMA	3303	AIRLINE OPERATIONS	3
AVMA	3306	COMMERCIAL PILOT FLIGHT LAB	3
ECON	2200	ECONOMIC PRINCIPLES & PROBLEMS	3
MGNT	2209	PRINCIPLES OF MANAGEMENT	3
MKTG	2204	MARKETING	3
			18

JUNIOR SECOND SEMESTER

AVMA	3301	AVIATION HISTORY	3
AVMA	3302	AVIATION LAW	3
BUSN	3310	BUSINESS & ECONOMICS STATISTICS	3
MANF	2250	TOTAL QUALITY SPC	3
LITERATURE ELECTIVE			3
FINE ARTS ELECTIVE			3
			18

SENIOR FIRST SEMESTER

AVMA	2206	AVIATION SECURITY	3
AVMA	3307	AVIATION SAFETY	3
MGMT	3390	HUMAN BEHAVIOR IN ORGANIZATIONS	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
LITERATURE ELECTIVE			3
			15

SENIOR SECOND SEMESTER

AVMA	4402	FISCAL ASPECTS IN AVIATION	3
AVMA	2230	CERTIFIED FLIGHT INSTRUCTOR (E) ÐOR-	
AVMA	4403	AVIATION PROJECT (E)	3
MGMT	4402	ORGANIZATIONAL CHANGE & DEVELOPMENT ÐOR-.........	
MGMT	4405	OPERATIONS MANAGEMENT	3
FINE ARTS ELECTIVE			3
CULT/CIVILIZATION ELECTIVE			3
			15

AVIATION MAINTENANCE MANAGEMENT ....136 SEM. HRS.

Aviation Common Core ....27 SEM. HRS.
Aviation Maintenance Management Curriculum (see below) ....88 SEM. HRS.
General Studies Requirements ....21 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)

This option prepares the student for entry-level management positions in the maintenance field with airlines, aviation manufacturers, repair stations, and fixed base operators. All graduates must have obtained their FAA Airframe and Power-plant License. This program is approved by the Federal Aviation Administration and meets the requirements of Federal Aviation Regulation 147.

- Aviation Maintenance Management Curriculum ....88 SEM. HRS.

Required Courses (85 sem. hrs.)

AVMT	1101	INTRO. TO AVIATION MAINTENANCE	3
AVMT	1102	AIRCRAFT REGULATIONS AND PUBLICATIONS	3
AVMT	1103	AVIATION SHOP PRACTICES	3
AVMT	1105	AIRCRAFT UTILITY SYSTEMS	3
AVMT	1106	AIRCRAFT AVIONICS & INFORMATION SYSTEMS	3
AVMT	1109	AVIATION ELECTRONICS	3
AVMT	2201	RECIPROCATING ENGINES AND SYSTEMS	3

AVMT	2202	AIRCRAFT SHEET METAL STRUCTURES	3
AVMT	2203	RECIPROCATING ENGINE MAINTENANCE AND RETURN TO SERVICE	5
AVMT	2204	AIRCRAFT PROPELLER & CONTROL SYSTEMS	3
AVMT	2205	TURBINE ENGINES AND SYSTEMS	3
AVMT	2206	AIRCRAFT FLUID POWER LANDING GEAR SYSTEMS	3
AVMT	2207	TURBINE ENGINE MAINTENANCE AND RETURN TO SERVICE	3
AVMT	2208	CABIN ATMOSPHERE CONTROL SYSTEMS	3
AVMT	2209	AIRCRAFT FLIGHT CONTROL SYSTEMS	3
AVMT	2210	NON METALLIC STRUCTURES	3
AVMA	4404	ADVANCED COMPOSITE STRUCTURES	3
-OR -			
AVMA	4405	ADVANCED NON-DESTRUCTIVE TESTING	3
AVIO	1110	AIRCRAFT POWER GENERATION AND DISTRIBUTION SYSTEMS	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
ECON	2200	ECONOMICS	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3

Aviation Elective (3 hrs.)

MINOR IN AVIONICS ....20 SEM. HRS.

This minor is restricted to Electronics Engineering Technology Majors.

Required Courses (20 hrs.)

AVIO	1102	PRINCIPLES OF RADIO TRANSMITTERS & RECEIVERS	3
AVIO	2200	ELECTRONIC FLIGHT MANAGEMENT SYSTEMS	3
AVIO	2202	INSTRUMENT LANDING SYSTEMS	3
AVIO	2204	AIRCRAFT NAVIGATION SYSTEMS	3
AVIO	2206	AIRCRAFT COMMUNICATION SYSTEMS	3
AVIO	2209	AIRCRAFT PULSE AND RADAR SYSTEMS	3
AVIO	2210	FCC LICENSE PREPARATION	2

ENGINEERING TECHNOLOGY

Students working toward the Bachelor of Science in Engineering Technology will be primarily concerned with the practical applications of established scientific and engineering knowledge and methods. A strong background in mathematics and science is recommended for entry into this program. The curriculum, including general education courses in business, the humanities, science and math, emphasizes the relationships of the various disciplines to technological processes in industry.

Applicants for the B.S. degree in Architecture, Civil Engineering Technology, Electronics Engineering Technology, Mechanical Engineering Technology, and Occupational Safety must complete the corresponding A.S. degree, or have graduated from high school with at least a 2.75 grade point average and achieved a minimum ACT composite score of 19 (SAT 910).

PRE-ENGINEERING CURRICULUM

Students planning graduate-level work in engineering should complete the following course work with a B average or better. Students are advised to carefully consult the catalog of the engineering school which they plan to attend, as Fairmont State University does not have an articulation agreement with any school of engineering.

MATH	1115	TRIG. AND ELEMENTARY FUNCTIONS	4
MATH	1190	CALCULUS I	4
CHEM	1105, 1106	CHEMICAL PRINCIPLES I, II	9
ENGL	1104, 1108	WRITTEN ENGLISH I, II	6
PHED	1100	FITNESS AND WELLNESS	2
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II	8
-OR-			
PHYS	1105, 1106	PRINCIPLES OF PHYSICS I, II	8
SOCIAL SCIENCE ELECTIVE			3
MECH	1100	STATICS	3
DRFT	1100	ENGINEERING GRAPHICS	3

Architecture

The Architecture program at Fairmont State University is a pre-professional program that focuses on history, design theory, building systems and graphic/oral communication skills required to present design ideas to others. The program is designed as a 2 + 2 curriculum consisting of a two-year A.S. that may serve as the first half of a four-year B.S. degree. Once the associate degree is earned, the graduate may choose to enter the workforce or to continue at the baccalaureate level.

ASSOCIATE OF SCIENCE IN ARCHITECTURAL ENGINEERING TECHNOLOGY .... 65-66 SEM. HRS.

The associate degree in Architectural Engineering Technology provides students with a basic understanding of the history of architectural design and the entry-level drafting and communication skills required in order to work in a design/drafting office. Graduates with the associate of science degree are qualified for entry-level technical positions in architectural or engineering offices, firms related to architecture, or other businesses requiring in-house planning and drafting.

Required Courses (53 hrs.)

ARCH	1130	ARCHITECTURAL HISTORY I	3
ARCH	1160	ARCHITECTURAL HISTORY II	3
ARCH	2210	DESIGN I	4
ARCH	2225	ARCHITECTURAL CADD	3
ARCH	2250	DESIGN II	4
ART	1111	ART FUNDAMENTALS	3
CIVL	2210	LIGHT CONSTRUCTION	4
COMM	2200 OR 2201 OR 2202		3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
MATH	1101	APPLIED TECHNICAL MATH I	3
MATH	1102	APPLIED TECHNICAL MATH II	3
MECH	1100	STATICS	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4

Electives (12 hrs).

ARCH	2200	GRAPHICS	3
-OR-			
DRFT	2215	ARCHITECTURAL DRAFTING	4
ARTISTIC/CREATIVE EXPRESSION			3
CULTURAL/CIVIL ELECTIVE			3
GENERAL STUDIES ELECTIVE			3
ARCHITECTURAL ELECTIVE			3

BACHELOR OF SCIENCE IN ARCHITECTURE ....129 SEM. HRS.

Architecture Curriculum (see below)..............96 SEM. HRS.
General Studies Requirements.......................33 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)

The B.S. in Architecture provides a sound basis for the pursuit of general knowledge and the first phase of a professional education for the general practice of architecture. The four-year program encompasses a foundation core of design, introductory studies in architectural history and theory, and building technology. Advanced design studios address methodology, and technological and theoretical synthesis through applied studies of a wide range of design inquiries and projects. Successful completion of the degree will prepare students to enter the profession at a more advanced level or pursue a graduate degree from an NAAB-accredited school of architecture. Graduates with the baccalaureate degree are qualified for entry-level positions such as designer or engineering technician. They may be employed in architectural offices, engineering offices, corporations or businesses which produce their own in-house construction documents, and construction-related fields.

- Architecture Curriculum ....96 SEM. HRS.

Required Courses (84 hrs.)

ARCH	1130	ARCHITECTURAL HISTORY I	3
ARCH	1160	ARCHITECTURAL HISTORY II	3
ARCH	2210	DESIGN I	4
ARCH	2225	ARCHITECTURAL CADD	3
ARCH	2250	DESIGN II	4
ARCH	3300	DESIGN III	4
ARCH	3310	CONSTRUCTION DETAILS AND MATERIALS	4
ARCH	3320	SITE PLANNING	3
ARCH	3350	DESIGN IV	4
ARCH	4420	URBAN DESIGN AND PRESERVATION	3
ARCH	4430	MECHANICAL AND ELECTRICAL SYSTEMS	3
ARCH	4450	DESIGN V	4
ARCH	4460	DESIGN VI	4
ART	1111	ART FUNDAMENTALS	3
CIVL	2210	LIGHT CONSTRUCTION	4
CIVL	2220	CONSTRUCTION MATERIALS AND METHODS	4
CIVL	2290	INTRODUCTION TO STRUCTURES	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
MECH	1100	STATICS	3
MECH	2200	STRENGTH OF MATERIALS	4
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4

Architecture Elective (9 hrs.)
(Choose three in consultation with advisor)

ARCH	2200	GRAPHICS	3
CHEM	1101	GENERAL CHEMISTRY I	3
CIVL	2200	INTRODUCTION TO SURVEYING	3
CIVL	2230	CONSTRUCTION ESTIMATING	3
CIVL	2240	CONSTRUCTION, LAND & ROUTE SURVEYING	3
CIVL	4420	CONSTRUCTION PLANNING & ADMINISTRATION	3
DRFT	2215	ARCHITECTURAL DRAFTING	4
GEOL	1101	PHYSICAL GEOLOGY	3
MANF	2250	TOTAL QUALITY & SPC	3
MECH	2210	THERMODYNAMICS I	3
SFTY	2210	DISASTER PREPAREDNESS	3
TECH	2290	ENGINEERING ANALYSIS I	4
TECH	3300	ENGINEERING ANALYSIS II	4

General Elective (3 hrs.)
Choose one

ENGL	1109	TECHNICAL REPORT WRITING	3
ENGL	3332	NARRATIVE & DESCRIPTIVE WRITING	3
ENGL	3333	WRITING NON-FICTION	3
MATH	1113	APPLIED STATISTICS	4
MUSI	2205	FUNCTIONAL PIANO IV	1
PHIL	2200	INTRODUCTION TO PHILOSOPHY	3
SOCY	1111	INTRODUCTION TO ANTHROPOLOGY	3
TECH	1101	INTRODUCTION TO TECHNOLOGY	3
THEA	1110	INTRODUCTION TO THEATRE	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
MATH	1101	APPLIED TECHNICAL MATH	3
ARCH	1130	ARCHITECTURAL HISTORY I	3
ARCH	ELECTIVE		3
ART	1111	ART FUNDAMENTALS	3
			15

FRESHMAN SECOND SEMESTER

COMM	2200 OR 2201 OR 2202		3
ENGL	1108	WRITTEN ENGLISH II	3
MATH	1102	APPLIED TECHNICAL MATH II	3
ARCH	1160	ARCHITECTURAL HISTORY II	3
ARCH	2225	ARCHITECTURAL CADD	3
			15

SOPHOMORE FIRST SEMESTER

PHYS	1101	INTRODUCTION TO PHYSICS I	4
ARCH	2210	DESIGN I	4
COMP	1101	APPLIED TECHNICAL PROGRAMING	3
CIVL	2210	LIGHT CONSTRUCTION	4
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			18

SOPHOMORE SECOND SEMESTER

PHYS	1102	INTRODUCTION TO PHYSICS II	4
ARCH	2250	DESIGN II	4
ARCH	2200	GRAPHICS	3
- OR -			
DRFT	2215	ARCHITECTURAL DRAFTING	4
MECH	1100	STATICS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			17/18

JUNIOR FIRST SEMESTER

ARCH	3300	DESIGN II	4
ARCH	3320	SITE PLANNING	3
CIVL	2220	CONSTRUCTION MATERIALS AND METHODS	4
MECH	2200	STRENGTH OF MATERIALS	4
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

ARCH	3350	DESIGN IV	4
ARCH	4420	URBAN DESIGN & PRESERVATION	3
CIVL	2290	INTRODUCTION TO STRUCTURES	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			16

SENIOR FIRST SEMESTER

ARCH	4450	DESIGN V	4
ARCH	3310	CONSTRUCTION DETAILS AND MATERIALS	4
ARCH ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			14

SENIOR SECOND SEMESTER

ARCH	4460	DESIGN VI	4
ARCH	4430	MECHANICAL AND ELECTRICAL SYSTEMS	3
ARCH ELECTIVE			3
ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			16

Civil Engineering Technology

The Civil Engineering Technology program at Fairmont State University prepares graduates to participate in the planning, analysis, design, construction, operation and maintenance of roadways, airports, tunnels, bridges, water supply and distribution systems, waste collection and treatment systems. The curriculum is a highly flexible 2 + 2 design; once the two-year associate's degree is earned, graduates may choose to enter the workforce or continue their education with two more years at the baccalaureate level.

ASSOCIATE OF SCIENCE IN CIVIL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited) ....67 SEM. HRS.

The Associate of Science degree in Civil Engineering Technology provides technical courses in the fundamentals of engineering, surveying, construction materials and methods, computer graphics, civil engineering graphics, construction estimating, structures, and environmental engineering technology. Most of the technical courses provide a combination of lecture and laboratory experiences. In addition, technical courses are underpinned with instruction in mathematics and science, written and oral communication skills, and economics, which are utilized subsequently in the technical courses. Graduates with the Associate of Science degree are qualified for entry-level technical positions in construction, surveying, engineering and architectural firms; local, state and national government, environmental and public health agencies; state departments of transportation and highways; and private business industry.

Required Courses (65 hrs.)

CHEM	1101	GENERAL CHEMISTRY I	4
CIVL	2200	INTRODUCTION TO SURVEYING	3
CIVL	2210	LIGHT CONSTRUCTION	4
CIVL	2220	CONSTRUCTION MATERIALS AND METHODS	4
CIVL	2230	CONSTRUCTION ESTIMATING	3
CIVL	2240	CONSTRUCTION, LAND & ROUTE SURVEYING	3
CIVL	2275	CIVIL ENGINEERING GRAPHICS	3
CIVL	2280	ENVIRONMENTAL ENGINEERING TECH I	3
CIVL	2290	INTRODUCTION TO STRUCTURES	3
COMM	2200 OR 2201 OR 2202		3
DRFT	2200	FUNDAMENTALS OF CAD	3
ECON	2200	ECONOMICS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
- OR -			
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
MATH	1101	APPLIED TECHNICAL MATH I	3
MATH	1102	APPLIED TECHNICAL MATH II	3
MECH	1100	STATICS	3
MECH	2200	STRENGTH OF MATERIALS	4
TECH	2290	ENGINEERING ANALYSIS I	4

Elective (2 hrs.)
Choose a course with advisor's approval.

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: CIVIL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited)...............................128 SEM. HRS.
Civil Engineering Technology Curriculum
(see below) ....98 SEM. HRS.
General Studies Requirements ....30 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)

The B.S.E.T. degree provides students with a greater emphasis on analysis and design with specialized classes in hydraulics and hydrology, soil mechanics and foundation design, structural analysis and design, water and wastewater systems and construction management, coupled with additional courses in science and mathematics, communication, social science and humanities. This degree is also offered with an environmental emphasis; see details below.

Graduates with the Bachelor of Science degree are qualified for an entry-level position as a Civil Engineering Technologist in construction, surveying, engineering, and architectural firms; local, state, and national government, environmental and public health agencies; state departments of transportation and highways; and private business industry. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

- Civil Engineering Technology Curriculum.......98 SEM. HRS.
  Required Courses (96 hrs.)

CHEM	1101	GENERAL CHEMISTRY I	4
PHYS	1101	INTRODUCTION TO PHYSICS I	4
CHEM	1102	GENERAL CHEMISTRY II	4
-OR-			
PHYS	1102	INTRODUCTION TO PHYSICS II	4
CIVL	2200	INTRODUCTION TO SURVEYING	3
CIVL	2210	LIGHT CONSTRUCTION	4
CIVL	2220	CONSTRUCTION MATERIALS AND METHODS	4
CIVL	2230	CONSTRUCTION ESTIMATING	3
CIVL	2240	CONSTRUCTION, LAND & ROUTE SURVEYING	3
CIVL	2275	CIVIL ENGINEERING GRAPHICS	3
CIVL	2280	ENVIRONMENTAL ENGINEERING TECH I	3
CIVL	2290	INTRODUCTION TO STRUCTURES	3
CIVL	3305	HYDRAULICS AND HYDROLOGY	3
CIVL	3340	SOIL MECH. & ENVIRONMENTAL GEOTECHNICS	4
CIVL*	4400	HIGHWAY DESIGN AND TRANSPORTATION	3
CIVL	4410	STRUCTURAL ANALYSIS	3
CIVL	4420	CONSTRUCTION PLANNING & ADMIN	3
CIVL	4440	STRUCTURAL DESIGN	3
CIVL	4460	ENVIRONMENTAL ENGINEERING TECH II...	3
CIVL	4470	ADVANCED SOIL MECHANICS AND FOUNDATION DESIGN	3
DRFT	2200	FUNDAMENTALS OF CAD	3
ENGL	1109	TECHNICAL REPORT WRITING	3
ECON	2200	ECONOMICS	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
MECH	1100	STATICS	3

MECH	2200	STRENGTH OF MATERIALS	4
MECH	3320	DYNAMICS	3
TECH	2290	ENGINEERING ANALYSIS I	4
TECH	3300	ENGINEERING ANALYSIS II	4

**Not required for the Environmental Emphasis*

Elective (2 hrs.)
Choose a course with advisor's approval.

- Additional Requirements for Environmental Emphasis.............................. 6-7 SEM. HRS.

SFTY	1100	SAFETY AND ENVIRONMENTAL COMPONENTS OF INDUSTRY	3
-AND-			
SFTY	2291	ENVIRONMENTAL ENGINEERING TECHNOLOGY: HAZARDOUS WASTE	4
-OR-			
SFTY	3335	AIR POLLUTION	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

CIVL	2210	LIGHT CONSTRUCTION	4
MATH	1101	APPLIED TECHNICAL MATH I	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
DRFT	2200	FUNDAMENTALS OF CAD	3
ENGL	1104	WRITTEN ENGLISH I	3
			16

FRESHMAN SECOND SEMESTER

CIVL	2200	INTRODUCTION TO SURVEYING	3
COMM	2200 OR 2201 OR 2202		3
MATH	1102	APPLIED TECHNICAL MATH II	3
CIVL	2220	CONSTRUCTION MATERIALS	4
MECH	1100	STATICS	3
			16

SOPHOMORE FIRST SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
CIVL	2240	CONSTRUCTION, LAND & ROUTE SURVEYING	3
CHEM	1101	GENERAL CHEMISTRY I	4
TECH	2290	ENGINEERING ANALYSIS I	4
MECH	2200	STRENGTH OF MATERIALS	4
			18

SOPHOMORE SECOND SEMESTER

CIVL	2230	CONSTRUCTION ESTIMATING	3
CIVL	2280	ENVIRONMENTAL ENGINEERING TECHNOLOGY I	3
CIVL	2290	INTRODUCTION TO STRUCTURES	3
CIVL	2275	CIVIL ENGINEERING GRAPHICS	3
ECON	2200	ECONOMICS	3
ELECTIVE			2
			17

JUNIOR FIRST SEMESTER

CIVL	3305	HYDRAULICS & HYDROLOGY	3
TECH	3300	ENGINEERING ANALYSIS II	4
PHYS	1101	INTRODUCTION TO PHYSICS I	4
ENGL	1108	WRITTEN ENGLISH II	3
-OR-			
ENGL	1109	TECHNICAL REPORT WRITING	3
			14

JUNIOR SECOND SEMESTER

CIVL	3340	INTRODUCTION TO SOIL MECHANICS	4
CIVL	4440	STRUCTURAL DESIGN	3
CHEM	1102	GENERAL CHEMISTRY II	4
-OR-			
PHYS	1102	INTRODUCTION TO PHYSICS II	
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			17

SENIOR FIRST SEMESTER

CIVL	4410	ADVANCED STRUCTURAL ANALYSIS	3
CIVL	4460	ENVIRONMENTAL ENGINEERING TECHNOLOGY II	3
CIVL	4470	ADVANCED SOIL MECHANICS AND FOUNDATION DESIGN	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
MECH	3320	DYNAMICS	3
			15

SENIOR SECOND SEMESTER

CIVL	4420	CONSTRUCTION PLANNING & ADMISTRATION	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
CIVL	4400	HIGHWAY DESIGN AND TRANSPORTATION	3
			15

Electronics Engineering Technology

The Electronics Engineering Technology program at Fairmont State University prepares graduates to work in industries that produce and use electrical and electronic equipment. Graduates are employed by a wide variety of industries, including coal, aerospace, semiconductor, control, utilities, glass, and computer companies. They may be involved in areas such as design, testing, maintenance, production, and supervision. The program is designed as a highly flexible 2 + 2 curriculum. Once the associate degree is earned, the graduate may choose to enter the workforce or continue studying at the baccalaureate level.

ASSOCIATE OF SCIENCE IN ELECTRONICS ENGINEERING TECHNOLOGY

(TAC of ABET Accredited)................................69 SEM. HRS.

The associate of science degree in Electronics Engineering Technology emphasizes an understanding of basic electronic circuits and devices. Students concentrate on mathematics and science, written and oral communication skills, fundamentals of electronics, and electronic specialization classes that cover transistors, linear and digital circuits, microcomputer systems, AC/DC machinery and controls, industrial systems, communication systems, and programmable logic controllers. Graduates with the associate degree are qualified for entry level technician positions in maintenance, repair and equipment calibration.

Required Courses (69 hrs.)

COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
DRFT	1100	ENGINEERING GRAPHICS	3
ECON	2200	INTRODUCTION TO ECONOMICS	3
ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2200	ELECTRONIC SHOP PRACTICES	3
ELEC	2210	CIRCUIT ANALYSIS II	3
ELEC	2215	BASIC TRANSISTORS	3
ELEC	2220	LINEAR ELECTRONICS	3
ELEC	2230	DIGITAL ELECTRONICS	3
ELEC	2240	INDUSTRIAL ELECTRONICS	3
ELEC	2250	AC-DC MACHINERY AND CONTROLS	3
ELEC	2260	COMMUNICATION SYSTEMS	3
ELEC	2270	MICROCOMPUTER SYSTEMS	3
ELEC	2280	PROGRAMMABLE CONTROLLERS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MATH	1101	APPLIED TECHNICAL MATH I	3

MATH	1102	APPLIED TECHNICAL MATH II	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
TECH	2290	ENGINEERING ANALYSIS I	4

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: ELECTRONICS ENGINEERING TECHNOLOGY (TAC of ABET Accredited)......129 SEM. HRS.
Electronics Engineering Technology Curriculum (see below) ....96 SEM. HRS.
General Studies Requirements....................33 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)

The Bachelor of Science degree provides students with a greater emphasis on design and analysis, with advanced classes in linear and microcomputer systems, data acquisition and control systems, an independent senior electronics project and elective hours that can be applied to a work experience practicum in industry. Graduates with the Bachelor of Science degree are qualified for positions that range from technician through electronic engineering technologist. Work at this level usually involves product design, writing performance requirements, developing maintenance schedules, data analysis, and programming PLC's. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

- Electronics Engineering Technology Curriculum....................96 SEM. HRS.

Required Courses (87 hrs.)

CHEM	1101	GENERAL CHEMISTRY I	4
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
DRFT	1100	ENGINEERING GRAPHICS	3
ENGL	1109	TECHNICAL REPORT WRITING	3
ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2200	ELECTRONICS SHOP PRACTICES	3
ELEC	2210	CIRCUIT ANALYSIS II	3
ELEC	2215	BASIC TRANSISTORS	3
ELEC	2220	LINEAR ELECTRONICS	3
ELEC	2230	DIGITAL ELECTRONICS	3
ELEC	2240	INDUSTRIAL ELECTRONICS	3
ELEC	2250	AC-DC MACHINERY AND CONTROLS	3
ELEC	2260	COMMUNICATIONS SYSTEMS	3
ELEC	2270	MICROCOMPUTER SYSTEMS	3
ELEC	2280	PROGRAMMABLE CONTROLLERS	3
ELEC	3300	ADVANCED LINEAR ELECTRONICS	3
ELEC	3310	ADVANCED MICROCOMPUTER SYSTEMS	3
ELEC	4400	SENIOR ELECTRONICS PROJECT	3
ELEC	4410	DATA ACQUISITION & CONTROL SYSTEMS	4
MANF	2250	TOTAL QUALITY AND SPC	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
SFTY	1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY	3
TECH	2290	ENGINEERING ANALYSIS I	4
TECH	3300	ENGINEERING ANALYSIS II	4

TECH Electives (9 hrs.)

AVIO	2202	INSTRUMENT LANDING SYSTEMS	3
AVIO	2204	AIRCRAFT NAVIGATION SYSTEMS	3
AVIO	2209	AIRCRAFT PULSE AND RADAR SYSTEMS	3
CHEM	1102	GENERAL CHEMISTRY II	4
COMP	1102	PRINCIPLES OF PROGRAMMING I	3
COMP	1108	PRINCIPLES OF PROGRAMMING II	3
COMP	2200	OBJECT-ORIENTED PROGRAMMING	3
COMP	2201	MACHINE ORGANIZATION	3
DRFT	2200	FUNDAMENTALS OF CAD	3
INFO	2250	NETWORKING FUNDAMENTALS	3
INFO	2251	ROUTER THEORY & ROUTER TECHNOLOGIES	3
INFO	2252	ADVANCED ROUTING & SWITCHING	3
MANF	2205	ENGINEERING ECONOMY	3
MATH	1113	APPLIED STATISTICS	4
MATH	3316	CALCULUS III	4
MATH	3335	PROBABILITY & STATISTICS	3
MATH	3362	LINEAR ALGEBRA	3
MATH	4401	DIFFERENTIAL EQUATIONS	3
MECH	1100	STATICS	3
MECH	2200	STRENGTH OF MATERIALS	4
MECH	2210	THERMODYNAMICS I	3
MECH	2220	FLUID MECHANICS	3
MECH	2240	MACHINE DESIGN I	3
SFTY	2250	SAFETY LAW & COMPLIANCE	3
TECH	4401	WORK EXPERIENCE LABORATORY	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ECON	2200	INTRODUCTION TO ECONOMICS	3
ENGL	1104	WRITTEN ENGLISH I	3
MATH	1101	APPLIED TECHNICAL MATH I	3
DRFT	1100	ENGINEERING GRAPHICS	3
ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2200	SHOP PRACTICES	3
			18

FRESHMAN SECOND SEMESTER

COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MATH	1102	APPLIED TECHNICAL MATH II	3
ELEC	2210	CIRCUIT ANALYSIS II	3
ELEC	2215	BASIC TRANSISTORS	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
			18

SOPHOMORE FIRST SEMESTER

PHYS	1101	INTRODUCTION TO PHYSICS I	4
ELEC	2220	LINEAR ELECTRONICS	3
ELEC	2230	DIGITAL ELECTRONICS	3
ELEC	2250	AC/DC MACHINERY AND CONTROLS	3
TECH	2290	ENGINEERING ANALYSIS I	4
			17

SOPHOMORE SECOND SEMESTER

PHYS	1102	INTRODUCTION TO PHYSICS II	4
ELEC	2240	INDUSTRIAL ELECTRONICS	3
ELEC	2260	COMMUNICATION SYSTEMS	3
ELEC	2270	MICROCOMPUTERS	3
ELEC	2280	PROGRAMMABLE CONTROLLERS	3
			16

JUNIOR FIRST SEMESTER

ELEC	3310	ADVANCED MICROCOMPUTER SYSTEMS	3
ENGL	1108	WRITTEN ENGLISH II	3
SFTY	1100	SAFETY & ENVIRONMENTAL COMPONENTS OF INDUSTRY	3
TECH	3300	ENGINEERING ANALYSIS II	4
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			16

JUNIOR SECOND SEMESTER

ELEC	3300	ADVANCED LINEAR ELECTRONICS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
TECH ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			15

SENIOR FIRST SEMESTER

GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
ELEC	4400	SENIOR ELECTRONICS PROJECT	3
CHEM	1101	GENERAL CHEMISTRY	4
TECH ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			16

SENIOR SECOND SEMESTER

ELEC	4410	DATA ACQUISITION AND CONTROL SYSTEMS	4
MANF	2250	TOTAL QUALITY & SPC	3
TECH ELECTIVE			3
ELECTIVE			3
			13

MINOR IN ELECTRONICS ENGINEERING TECHNOLOGY .... 19 SEM. HRS.

Required Courses (19 hrs.)

ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2210	CIRCUIT ANALYSIS II	3
ELEC	2230	DIGITAL ELECTRONICS	3
ELEC	2270	MICROCOMPUTERS	3
ELEC	3310	ADVANCED MICROCOMPUTER SYSTEMS	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4

Mechanical Engineering Technology

Mechanical engineering technologists are concerned with the production, transmission and use of mechanical power and thermal energy. They also participate in the general design, maintenance and troubleshooting of mechanical components and assemblies (machines). The Mechanical Engineering Technology program at Fairmont State University prepares graduates for work in industry as an engineering technician or technologist where they may design, build, test, and/or maintain machines and mechanical equipment. The program is designed as a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, the graduate may choose to enter the workforce or continue to study at the baccalaureate level.

Employment opportunities in mechanical engineering and related fields are expected to increase about as fast as the average of all other occupations combined through the year 2016 as the demand for machinery, machine tools and power systems grows.

ASSOCIATE OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited) .... 67 SEM. HRS.

The associate of science degree in Mechanical Engineering Technology emphasizes basic engineering concepts. Students concentrate on mathematics and science, written and oral communication skills, and mechanical specialization classes, including drafting, statics, strength of materials, machine design, fluid mechanics and motors/motor controllers. Many of the technical courses provide a combination of lecture and laboratory experiences. Graduates with the associate of science degree are qualified for entry-level positions as technicians, engineering assistants, and engineering aids. Job responsibilities can include a broad range of duties such as the installation, operation, maintenance, troubleshooting and repair of manufacturing equipment and commercial mechanical products.

Required Courses (67 hrs.)

COMM	2200 OR 2201 OR 2202	HUMAN COMMUNICATION	3
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
DRFT	1100	ENGINEERING GRAPHICS	3
DRFT	2200	FUNDAMENTALS OF CAD	3
DRFT	2235	TECHNICAL DRAFTING	3
ECON	2200	ECONOMICS	3
ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2250	AC-DC MACHINERY AND CONTROLS	3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MANF	1100	MATERIALS AND PROCESSES	3
MATH	1101	APPLIED TECHNICAL MATH I	3
MATH	1102	APPLIED TECHNICAL MATH II	3
MECH	1100	STATICS	3
MECH	2200	STRENGTH OF MATERIALS	4
MECH	2210	THERMODYNAMICS I	3
MECH	2220	FLUID MECHANICS	3
MECH	2240	MACHINE DESIGN I	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
TECH	2290	ENGINEERING ANALYSIS I	4

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: MECHANICAL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited) .... 133 SEM. HRS.
Mechanical Engineering Technology
Curriculum (see below) .... 100 SEM. HRS.
General Studies Requirements .... 33 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)

The Bachelor of Science degree provides students with a greater emphasis on design and analysis, with advanced courses in dynamics, thermodynamics, heat transfer, heating/ ventilation/air conditioning systems and mechanical measurements. Special emphasis is placed on the practical industrial applications of basic engineering concepts and principles. Graduates with the Bachelor of Science degree are qualified for positions that range from technician up through mechanical engineer. Our graduates have been employed by a broad range of manufacturing companies including aerospace, automotive, chemical, nuclear, and steel, mining, as well as telephone, natural gas, and electric utilities. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

- Mechanical Engineering Technology Curriculum .... 100 SEM. HRS.

Required Courses (91 hrs.)

CHEM	1101	GENERAL CHEMISTRY I	4
CHEM	1102	GENERAL CHEMISTRY II	4
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
DRFT	1100	ENGINEERING GRAPHICS	3
DRFT	2200	FUNDAMENTALS OF CAD	3
DRFT	2235	TECHNICAL DRAFTING	3
ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2250	AC-DC MACHINERY AND CONTROLS	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MANF	1100	MATERIALS AND PROCESSES	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
MECH	1100	STATICS	3
MECH	2200	STRENGTH OF MATERIALS	4
MECH	2210	THERMODYNAMICS I	3

MECH	2220	FLUID MECHANICS	3
MECH	2240	MACHINE DESIGN I	3
MECH	3300	THERMODYNAMICS II	3
MECH	3320	DYNAMICS	3
MECH	3330	HEAT TRANSFER I	3
MECH	3340	HEATING, AIR CONDITIONING AND VENTILATION	3
MECH	4400	MECHANICAL MEASUREMENTS	3
MECH	4410	THERMODYNAMICS III	3
MECH	4430	HEAT TRANSFER II	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
TECH	2290	ENGINEERING ANALYSIS I	4
TECH	3300	ENGINEERING ANALYSIS II	4

Electives (9 hrs.)

CIVL	2200	INTRODUCTION TO SURVEYING	3
CIVL	2210	LIGHT CONSTRUCTION	3
CIVL	2290	INTRODUCTION TO STRUCTURES	3
COMP	1102	PRINCIPLES OF PROGRAMMING I	3
COMP	1108	PRINCIPLES OF PROGRAMMING II	3
COMP	2200	OBJECT-ORIENTED PROGRAMMING	3
COMP	2201	MACHINE ORGANIZATION	3
DRFT	2205	INTRODUCTION TO SOLID MODELING	3
DRFT	2225	DESCRIPTIVE GEOMETRY	3
DRFT	2995	TOOL DESIGN	4
ELEC	2210	CIRCUIT ANALYSIS II	3
ELEC	2280	PROGRAMMABLE CONTROLLERS	3
INFO	2250	NETWORKING FUNDAMENTALS	3
INFO	2251	ROUTER THEORY & ROUTER TECHNOLOGIES	3
INFO	2252	ADVANCED ROUTING & SWITCHING	3
MANF	2205	ENGINEERING ECONOMY	3
MATH	1113	APPLIED STATISTICS	4
MATH	3316	CALCULUS III	4
MATH	3335	PROBABILITY & STATISTICS	3
MATH	3362	LINEAR ALGEBRA	3
MATH	4401	DIFFERENTIAL EQUATIONS	3
MECH	3350	NUMERICAL METHODS	3
SFTY	1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY	3
SFTY	2250	SAFETY LAW & COMPLIANCE	3
TECH	3399	ADVANCED PLCS	3
TECH	4401	WORK EXPERIENCE LABORATORY	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
MATH	1101	APPLIED TECHNICAL MATH I	3
DRFT	1100	ENGINEERING GRAPHICS	3
DRFT	2200	FUNDAMENTALS OF CAD	3
ECON	2200	INTRODUCTION TO ECONOMICS	3
MANF	1100	MATERIALS & PROCESSES	3
			18

FRESHMAN SECOND SEMESTER

COMM	2200 OR 2201 OR 2202		3
ELEC	1100	CIRCUIT ANALYSIS	3
ENGL	1108	WRITTEN ENGLISH II	3
MATH	1102	APPLIED TECHNICAL MATH II	3
MECH	1100	STATICS	3
			15

SOPHOMORE FIRST SEMESTER

PHYS	1101	INTRODUCTION TO PHYSICS I	4
COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
ELEC	2250	AC/DC MACHINERY	3
MECH	2200	STRENGTH OF MATERIALS	4
TECH	2290	ENGINEERING ANALYSIS I	4
			18

SOPHOMORE SECOND SEMESTER

PHYS	1102	INTRODUCTION TO PHYSICS II	4
MECH	2210	THERMODYNAMICS I	3
MECH	2220	FLUID MECHANICS	3
MECH	2240	MACHINE DESIGN I	3
DRFT	2235	TECHNICAL DRAFTING	3
			16

JUNIOR FIRST SEMESTER

CHEM	1101	GENERAL CHEMISTRY I	4
ENGL	1109	TECHNICAL REPORT WRITING	3
MECH	3300	THERMODYNAMICS II	3
TECH	3300	ENGINEERING ANALYSIS II	4
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			17

JUNIOR SECOND SEMESTER

CHEM	1102	GENERAL CHEMISTRY II	4
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
MECH	3340	HEATING, AIR CONDITIONING AND VENTILATION	3
TECH ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			16

SENIOR FIRST SEMESTER

GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
MECH	3320	DYNAMICS	3
MECH	3330	HEAT TRANSFER I	3
TECH ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			15

SENIOR SECOND SEMESTER

MECH	4400	MECHANICAL MEASUREMENTS	3
MECH	4410	THERMODYNAMICS III	3
MECH	4430	HEAT TRANSFER II	3
TECH ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			15

Occupational Safety

The Occupational Safety program prepares competent professionals who serve as valued members of the management, engineering, and business team providing solutions to complex safety/environmental problems. This program focuses on principles drawn from engineering technology, health, physics, math, psychology, language and speech. Hands-on applications of these principles are emphasized through preparatory and professional courses. Preparatory courses include math, chemistry, physics, human anatomy, statistics, speech, written composition and psychology. Professional courses include industrial hygiene and toxicology, safety engineering and design, systems safety, safety and environmental law, fire prevention, ergonomics, environmental hazard control, OSHA compliance, and program management. Computer skills and experiential learning is heavily emphasized, including laboratory activities, industrial projects and/or internships. Internships may be paid or unpaid and can include academic credit.

The curriculum is a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, graduates may choose to enter the workforce or continue their education with two additional years at the baccalaureate level. The need for Safety/Environmental professionals will continue to grow into the next millennium. Major employers of our graduates include insurance companies (Liberty Mutual), government entities, state and local agencies, and businesses (IBM, Mobile Oil), and consulting firms. Increased emphasis on ergonomics, hazardous waste, accident costs, worker's compensation, regulatory compliance and health hazard control will require more Safety/Environmental professionals.

ASSOCIATE OF SCIENCE IN SAFETY ENGINEERING TECHNOLOGY ....68 SEM. HRS.

Required Courses (68 hrs.)

SCIE	1000	HUMAN BIOLOGY	4
BIOL	1170	ANATOMY AND PHYSIOLOGY	4
CHEM	1101	GENERAL CHEMISTRY I	4
CHEM	1102	GENERAL CHEMISTRY II	4
COMM	2200 OR 2201 OR 2202		3
ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
ENGL	1109	TECHNICAL REPORT WRITING	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
MATH	1101	APPLIED TECHNICAL MATH I	3
MATH	1102	APPLIED TECHNICAL MATH II	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
SFTY	1100	SAFETY AND ENVIRONMENTAL COMP. OF INDUSTRY	3
SFTY	1150	SAFETY MANAGEMENT AND CONCEPTS IN ACCIDENT PREVENTION	3
SFTY	2250	SAFETY LAW AND COMPLIANCE.	3
SFTY	2260	FIRE PREVENTION	3
SFTY	2280	CONSTRUCTION SAFETY & LAW	3
SFTY	2290	INDUSTRIAL HYGIENE AND TOXICOLOGY	4
SFTY	2291	ENVIRON. ENGR. TECHNOLOGY: HAZARDOUS WASTE	4

BACHELOR OF SCIENCE: OCCUPATIONAL SAFETY ....128 SEM. HRS.

Occupational Safety Curriculum (see below)..92 SEM. HRS.

General Studies Requirements ....30 SEM. HRS.

(See "Degree Requirements" for General Studies requirements not completed through the major)

Electives ....6 SEM. HRS.

- Occupational Safety Curriculum ....100 SEM. HRS.

Required Courses (94 hrs.)

SCIE	1000	HUMAN BIOLOGY	4
BIOL	1170	ANATOMY AND PHYSIOLOGY	4
CHEM	1101	GENERAL CHEMISTRY I	4
CHEM	1102	GENERAL CHEMISTRY II	4
ENGL	1109	TECHNICAL REPORT WRITING	3
MANF	2250	TOTAL QUALITY AND SPC	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
MATH	1113	APPLIED STATISTICS	4
MECH	1100	STATICS	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
PHYS	1101	INTRODUCTION TO PHYSICS I	4
PHYS	1102	INTRODUCTION TO PHYSICS II	4
SFTY	1100	SAFETY & ENVIRON. COMPONENTS OF INDUSTRY	3
SFTY	1150	SAFETY MGT. & CONCEPTS IN ACCIDENT PREV.	3
SFTY	2250	SAFETY LAW & COMPLIANCE	3
SFTY	2260	FIRE PREVENTION	3
SFTY	2280	CONSTRUCTION SAFETY & LAW	3
SFTY	2290	INDUSTRIAL HYGIENE AND TOXICOLOGY	4
SFTY	2291	ENVIRONMENTAL ENGR. TECH.: HAZ. WASTE	4
SFTY	3300	INDUSTRIAL HYGIENE APPLICATIONS AND PRACTICES	4
SFTY	3310	ERGONOMICS & HUMAN FACTORS	3
SFTY	3335	AIR POLLUTION	3
SFTY	3345	WATER POLLUTION	3
SFTY	4415	SAFETY INTERNSHIP	3
SFTY	4400	SAFETY ENGINEERING DESIGN	3
SFTY	4420	SYSTEM SAFETY AND MANAGEMENT	4

Electives (6 hrs.)

BUSN	2251	CORPORATE COMMUNICATION	3
BUSN	2248	BUSINESS ESSENTIALS	3
BUSN	3306	BUSINESS LAW	3
BUSN	3307	BUSINESS LAW II	3
BUSN	3319	EMPLOYMENT LAW	3
CHEM	2201	ORGANIC CHEMISTRY	4
DRFT	2200	FUNDAMENTALS OF CAD	3
ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2210	CIRCUIT ANALYSIS II	3
MANF	1100	MATERIALS & PROCESSES	3
MANF	2205	ENGINEERING ECONOMY	3
MATH	1185	APPLIED CALCULUS I	4
MATH	1186	APPLIED CALCULUS II	4
MECH	2200	STRENGTH OF MATERIALS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MGMT	3308	HUMAN RESOURCES MANAGEMENT	3
MGMT	3370	COMPENSATION AND BENEFITS	3
MGMT	3371	EMPLOYEE RELATIONS	3
MGMT	3372	HUMAN RESOURCES SELECTION AND EVALUATION	3
MGMT	3390	ORGANIZATIONAL BEHAVIOR	3
SFTY	2210	DISASTER PREPAREDNESS	3
SPAN	1101	ELEMENTARY SPANISH I	3
SPAN	1102	ELEMENTARY SPANISH II	3
TECH	2290	ENGINEERING ANALYSIS I	4
TECH	3300	ENGINEERING ANALYSIS II	4

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
MATH	1101	APPLIED TECHNICAL MATH	3
SCIE	1000	HUMAN BIOLOGY	4
CHEM	1101	GENERAL CHEMISTRY	4
SFTY	1100	SAFETY/ENV. COMPS. IND.	3
			17

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1102	APPLIED TECH. MATH II	3
SFTY	1150	SFT MGT & CON OF ACC PREV.	3
CHEM	1102	GENERAL CHEMISTRY	4
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
			16

SOPHOMORE FIRST SEMESTER

PHYS	1101	INTRO TO PHYSICS I	4
SFTY	2250	SAFETY LAW & COMPLIANCE	3
SFTY	2260	FIRE PREVENTION	3
SFTY	2291	ENV. ENG. TECH HAZ. WASTE	4
INFO	1100	COMP. CONCEPTS AND APPLS.	3
			17

SOPHOMORE SECOND SEMESTER

BIOL	1170	ANATOMY & PHYSIOLOGY	4
ENGL	1109	TECHNICAL REPORT WRITING	3
PHYS	1102	INTRO. TO PHYSICS II	4
SFTY	2290	INDUSTRIAL HYGIENE & TOXIOLOGY	4
SFTY	2280	CONSTRUCTION SAFETY & LAW	3
			18

JUNIOR FIRST SEMESTER

SFTY	3300	INDUS. HYG. APPLICATIONS & PRACS	4
MECH	1100	STATICS	3
PSYC	1101	PSYCHOLOGY	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			16

JUNIOR SECOND SEMESTER

MANF	2250	TOTAL QUALITY & SPC	3
SFTY	3310	ERGO & HUMAN FACTORS	3
SFTY	3335	AIR POLLUTION	3
SFTY	3345	WATER POLLUTION	3
MATH	1113	APPLIED STATISTICS	4
			16

SENIOR FIRST SEMESTER

GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
SFTY	4400	SAFETY ENGINEERING DESIGN	3
SFTY	4415	SAFETY INTERNSHIP	3
TECH ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			15

SENIOR SECOND SEMESTER

SFTY	4420	SYSTEM SAF. & MGMT	4
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		TECH ELECTIVE	3
			13

MINOR IN OCCUPATIONAL SAFETY ...... 23-24 SEM. HRS.

Required Courses (20 hrs.)

SFTY	1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY	3
SFTY	1150	SAFETY MGT. & CONCEPTS IN ACCIDENT PREVENTION	3
SFTY	2250	SAFETY LAW & COMPLIANCE	3
SFTY	2260	FIRE PREVENTION	3
SFTY	2290	INDUSTRIAL HYGIENE AND TOXICOLOGY	4
SFTY	2291	ENVIRONMENTAL ENGINEERING TECHNOLOGY: HAZARDOUS WASTE	4

Electives (3-4 hrs.)

BIOL	1170	ANATOMY AND PHYSIOLOGY	4
MATH	1113	APPLIED STATISTICS	4
MECH	1100	STATICS	3
PSYC	2240	STATISTICS	4

Graphics Technology

The associate's degree in Graphics Technology provides students with a basic understanding of visual communications and the entry level design and technical skills. The Bachelor of Science degree provides students with a concentration in design theory and proficiency in computer and multimedia technologies that will allow them to enter the profession at a more advanced level.

Graduates with the associate degree are qualified for entry-level positions to work as layout artists, graphic design assistants, or Web design technicians. Graduates with the Bachelor of Science degree are qualified for entry-level positions as graphic designers, art directors, creative directors, Web designers, digital pre-press technicians, technical illustrators, desktop publishing artists or production artists.

BACHELOR OF SCIENCE IN GRAPHICS TECHNOLOGY: ELECTRONIC PUBLISHING/IMAGING SPECIALIZATION ....128 SEM. HRS.

Electronic Publishing/Imaging Curriculum (see below) .... 64 SEM. HRS.
General Studies Requirements ....44 SEM. HRS.
Free Electives..21 SEM. HRS.

- Electronic Publishing/Imaging Curriculum ......64 SEM. HRS.

Required Courses (64 hrs.)

ART	1140	DESIGN I: 2D	3
ART	1141	DESIGN II: 3D	3
ENGL	1109	TECHNICAL WRITING	3
GRAP	1100	GRAPHICS COMMUNICATIONS PROCESSES	3
GRAP	1125	MULTIMEDIA CONCEPTS	3
GRAP	1150	COMPUTER APPLICATIONS TO GRAPHICS	3
GRAP	2210	GRAPHICS-METHODS AND MATERIALS	3
GRAP	2230	GRAPHIC DESIGN I	3
GRAP	2235	GRAPHIC DESIGN II	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
OFAD	2250	DESKTOP PUBLISHING	3
GRAP	2290	IMAGE EDITING	3
GRAP	2995	GRAPHICS PRACTICUM	4
GRAP	3330	BRANDING AND IDENTITY DESIGN	3
GRAP	3336	MOTION GRAPHICS	3
GRAP	3370	PORTFOLIO PROCESS	3
GRAP	4430	MULTIPAGE DOCUMENTS AND DESIGN	3
GRAP	4435	INTERACTIVE AND MULTIMEDIA DESIGN	3
GRAP	4455	ANIMATION STUDIO	3
GRAP	4490	EXHIBITION DESIGN AND DEVELOPMENT	3
TECH	1101	INTRODUCTION TO TECHNOLOGY	3

Recommended Electives

ART	3378	ART HISTORY FROM 1750 TO 1950	3
GRAP	2255	INTERNET ANIMATION	3
GRAP	2280	INTERNET PUBLISHING	3
GRAP	2285	ELECTRONIC ART	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ART	1140	DESIGN I: 2D	3
GRAP	1100	GRAPHICS COMMUNICATIONS PROCESSES	3
GRAP	1150	COMPUTER APP. TO GRAPHICS	3
TECH	1101	INTRODUCTION TO TECHOLOGY	3
ENGL	1104	WRITTEN ENGLISH I	3
			15

FRESHMAN SECOND SEMESTER

ART	1141	DESIGN II: 3D	3
COMM	2200, 2201, OR 2202		3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ENGL	1108	FYE WRITTEN ENGLISH II	3
GRAP	1125	MULTIMEDIA CONCEPTS	3
			15

SOPHOMORE FIRST SEMESTER

ART	1142	DRAWING I	3
GRAP	2210	GRAPHIS METHODS AND MATERIALS	3
GRAP	2230	GRAPHIC DESIGN I	3
MATH	1107 OR ABOVE		3
OFAD	2250	DESKTOP PUBLISHING	3
			15

SOPHOMORE SECOND SEMESTER

ART	1120	ART APPRECIATION	3
GRAP	2235	GRAPHICS DESIGN II	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
GRAP	2290	IMAGE EDITING	3
GRAP	2995	GRAPHICS PRACTICUM	3
			15

JUNIOR FIRST SEMESTER

GRAP	3330	BRANDING AND IDENTITY DESIGN	3
GRAP	3336	MOTION GRAPHICS	3
		SCIENTIFIC DISC	4
		SOCIETY/HUMAN	3
		FREE ELECTIVE	3
			16

JUNIOR SECOND SEMESTER

ENGL	1109	TECHNICAL WRITING	3
		FREE ELECTIVE	3
GRAP	3370	CAREER AND PORTFOLIO DEVELOPMENT	3
		CULTURAL CIVILIZATION EXPLORATION	3
		SCIENTIFIC DISC	4
			16

SENIOR FIRST SEMESTER

GRAP	4435	INTERACTIVE AND MULTIMEDIA DESIGN	3
GRAP	4455	ANIMATION STUDIO	3
		SOCIETY/HUMAN	3
		CULTURAL CIVILIZATION EXPLORATION	3
		FREE ELECTIVE	6
			18

SENIOR SECOND SEMESTER

GRAP	4430	MULTIPAGE DOCUMENTS AND DESIGN	3
GRAP	4490	EXHIBITION DESIGN AND DEVELOPMENT	3
		CULTURAL CIVILIZATION EXPLORATION	3
		FREE ELECTIVE	9
			18

MINOR IN GRAPHICS TECHNOLOGY ....21 SEM. HRS.

Required Courses (21 hrs.)

GRAP	1100	GRAPHICS COMMUNICATIONS PROCESSES	3
GRAP	1150	COMPUTER APPLICATIONS TO GRAPHICS	3
GRAP	2200	INTRODUCTION TO DESKTOP PUBLISHING	3
-OR-			
OFAD	2250	DESKTOP PUBLISHING	3
GRAP	2210	GRAPHICS-METHODS AND MATERIALS	3
GRAP	2230	GRAPHIC DESIGN I	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
GRAP	2265	ESTIMATING AND COST ANALYSIS	3

TECHNOLOGY EDUCATION

The FSU Technology Education Program is nationally recognized as one of the better undergraduate programs in the country. There is an extremely high demand for FSU graduates, especially in eastern states such as West Virginia, Virginia, Pennsylvania, Ohio, Maryland, North Carolina, South Carolina and Florida. The program's small classes are a contributing factor to its 100% passing rate on the Praxis II Specialty Area Exam. Students will learn to work directly with their pupils to solve problems, plan projects, select materials, produce projects, use tools and equipment in a safe manner, and properly organize and maintain a technology education laboratory. Students may choose either the comprehensive or single-subject specialization (the latter requires students to choose another specialization in addition, in order to graduate).

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN TECHNOLOGY EDUCATION COMPREHENSIVE 5-ADULT ....133 SEM. HRS.

Technology Education Curriculum (see below)59 SEM. HRS.
General Studies Requirements ....38 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)
Professional Education Courses ....36 SEM. HRS.

- Technology Education Curriculum ....59 SEM. HRS.

Required Courses (59 hrs.)

DRFT	2200	FUNDAMENTALS OF CAD	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I	3
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
MANF	1100	MATERIALS AND PROCESSES	3
TECH	1100	TECHNOLOGY AND SOCIETY	3
TECH	1104	TECHNOLOGY DESIGN & PROBLEM SOLVING	3
TECH	1150	CONTROL TECHNOLOGY	3
TECH	2202	TRANSPORTATION I	4
TECH	2203	MANUFACTURING I	4
TECH	2204	CONSTRUCTION	4
TECH	3301	COMMUNICATION	4
TECH	3302	MANUFACTURING II	4
TECH	3303	TRANSPORTATION II	4
TECH	3304	CONSTRUCTION II	4
TECH	3331	ORGANIZATION AND ADMINISTRATION OF TECH. ED.	4
TECH	4431	METHODS AND MATERIALS FOR TEACHING TECH. ED.	3

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORGANIZATION & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
MANF	1100	MATERIALS AND PROCESSES	3
MATH	1101	APPLIED TECHNICAL MATH I	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
TECH	1104	TECHNICAL DESIGN/PROBLEM SOLVING	3
			18

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1102	APPLIED TECHNICAL MATH II	3
TECH	1150	CONTROL TECHNOLOGY	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
TECH	2204	CONSTRUCTION I	4
			16

SOPHOMORE FIRST SEMESTER

EDUC	2200	INTRODUCTION TO EDUCATION	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
TECH	1100	TECHNOLOGY AND SOCIETY	3
COMM	2200 OR 2201 OR 2202		3
TECH	3304	CONSTRUCTION II	4
			17

SOPHOMORE SECOND SEMESTER

EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	CLINICAL EXPERIENCE I	1
TECH	2203	MANUFACTURING I	4
DRFT	2200	FUNDAMENTALS OF CAD	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			18

JUNIOR FIRST SEMESTER

TECH	2202	TRANSPORTATION I	4
EDUC	3331	READING IN CONTENT AREA	3
TECH	3301	COMMUNICATION	4
TECH	3302	MANUFACTURING II	4
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	CLINICAL EXPERIENCE II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL EXPERIENCE II	1
TECH	3303	TRANSPORTATION II	4
TECH	3331	ORGAN./ADM. TECH. ED.	4
			16

SENIOR FIRST SEMESTER

GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
TECH	4431	METHODS AND MATERIALS	3
			15

SENIOR SECOND SEMESTER

INITIAL PERFORMANCE PRACTICUM

EDUC	3395	SECONDARY CLASSROOM ORGANIZATION AND PRACTICES	4
EDUC	4495	SECONDARY/PRE-K-ADULT STUDENT TEACHING/CLINICAL III	8
			12

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN TECHNOLOGY EDUCATION, 5-ADULT ....*128+ SEM HRS.

**Depending on which of the second specializations is selected.*

Technology Education Curriculum (see below)................32
General Studies Requirements 44
(See "Degree Requirements" for General Studies requirements not completed through the major)
Professional Education Courses 36
Additional Specialization ....HOURS WILL VARY

Students who choose this specialization must have an additional one to complete their BA degree.

- Technology Education Curriculum ....32 SEM. HRS.

Required Courses (32 hrs.)

MANF	1100	MATERIALS AND PROCESSES	3
TECH	1104	TECHNOLOGY DESIGN & PROBLEM SOLVING	3
TECH	1150	CONTROL TECHNOLOGY	3
TECH	2203	MANUFACTURING I	4
TECH	3301	COMMUNICATION	4
TECH	3303	TRANSPORTATION II	4
TECH	3304	CONSTRUCTION II	4
TECH	3331	ORGANIZATION AND ADMINISTRATION OF TECH ED.	4
TECH	4431	METHODS AND MATERIALS FOR TEACHING TECH. ED.	3

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

TECHNOLOGY

MINOR IN TECHNOLOGY ....23 SEM. HRS.

Required Courses (15 hrs.)

ELEC	1100	CIRCUIT ANALYSIS I	3
DRFT	1100	ENGINEERING GRAPHICS	3
MANF	1100	MATERIALS AND PROCESSES	3
MANF	2250	TOTAL QUALITY AND SPC	3
SFTY	1100	SAFETY & ENVIR COMPONENTS OF INDUSTRY	3

Electives (8 hrs.)
Technology Electives (advisor approved) (8 hrs)

School of Business

Dr. Richard Harvey, Dean
111A Jaynes Hall / (304) 367-4261
FAX: (304) 367-4613
Richard.Harvey@fairmontstate.edu

FACULTY

ALSHALLAH, MOHAMED (1988)
Associate Professor of Economics/ Business Administration

BLANKENSHIP, JOSEPH (2008)
Assistant Professor of Information Systems Management
Graduate Faculty

BURNELL, MARY A., CPA (1989)
Coordinator of Accounting
Associate Professor of Accounting

CASSELL, MACGORINE (1992)
Professor of Business Administration
Graduate Faculty

ENGEBRETSON, JEAN, CPA (2008)
Associate Professor of Accounting

GAILEY, EDWARD (2007)
Assistant Professor of Business Administration
Graduate Faculty

GIORCELLI, REBECCA (2005)
Coordinator of Information Systems Management
Associate Professor of Information Systems Management
Graduate Faculty

HARVEY, RICHARD (1988)
Dean, School of Business
Professor of Finance/Business Law
Graduate Faculty

HINTON, GREGORY T. (1989)
Professor/Senior Level: Business Law

KHALIL, MOHAMAD A. (1988)
Coordinator of Business Administration/Economics
Professor/Senior Level: Business Administration/ Economics
Graduate Faculty

KIRBY, JACK R. (2001)
Associate Dean, School of Business
Associate Professor of Business Administration
Graduate Faculty

LEE, CHEON-PYO (FRANK) (2009)
Assistant Professor of Information Systems Management

MUTO, LEISA, CPA (2009)
Assistant Professor of Accounting

OXLEY, TIMOTHY (2008)
MBA Program Director
Associate Professor of Business
Graduate Faculty

SURENDRAN, SUNIL (1994)
Professor of Marketing and Management
Graduate Faculty

WEAVER, ROBERT C. (1988)
Coordinator of Management and Marketing
Associate Professor of Management and Marketing

WILSON, ROGER W. (2002)
Assistant Professor of Information Systems Management
Graduate Faculty

The School of Business offers Bachelor of Science Degrees in Accounting, Information Systems Management and Business Administration. Concentrations within the Business Administration degree include: Management, Entrepreneurial Studies, Finance, General Business, Hospitality Management, Marketing and Sport Management. Students may also obtain a Bachelor of Arts in Education, specializing in Business Education-Comprehensive.

School of Business Degree recipients are not required to select a minor field of study, but are encouraged to do so. Combinations with regard to major and minor are restricted; students must consult the Catalog or an advisor when selecting a minor. A major and a minor in the same academic field are not permitted. Duplicate credit may be earned only for courses that are specifically required in both the major and minor, with the exception of Economics 2201. Economics 2202 cannot be used for General Studies credit. Economics 2200 cannot be substituted for Economics 2201 in meeting the School's major or minor requirements.

Courses offered by the School of Business may be found under the headings of Accounting, Business, Business Education, Economics, Finance, Information Systems Management, Management and Marketing. All courses may not be offered each semester; therefore, students are urged to consult with their advisor in course scheduling. Course rotation schedules are available in the Business School office, as well as on its website.

All students seeking a B.S. in Accounting or Business Administration must take the core courses described below.

- Business Core..45 SEM. HRS.

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
BUSN	3306	BUSINESS LAW I	3
BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
BUSN	3320	INTERNATIONAL BUSINESS	3
BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
ECON	2201	ECONOMIC PRINCIPLES & PROBLEMS I	3
ECON	2202	ECONOMIC PRINCIPLES & PROBLEMS II	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MATH*	1112	COLLEGE ALGEBRA (OR HIGHER MATH)	3

**Students planning to enter a graduate program in business are strongly encouraged to take Math 1190 (Calculus I) in lieu of Math 1112.*

ACCOUNTING

The accounting curriculum has been designed to offer an integrated educational experience in the subdisciplines of financial accounting, managerial accounting, taxation, information systems, and auditing. The accounting degree provides students with traditional technical accounting skills, as well as expanded skills in analytical reasoning, problem solving, use of technology, and oral and written communication. Students are prepared to succeed in careers with public accounting firms, corporations, and non-profit organizations.

Individuals applying for licensure in West Virginia must have completed a total of 150 semester hours of post-secondary education and have received a bachelor's degree or higher from a college or university recognized by the West Virginia State Board of Accountancy. The total education program shall include an accounting concentration and business courses defined by the WVSBOA. The 150 credit hour program is available through the School of Business. Students wishing to become licensed Certified Public Accountants should meet with their advisor early in the program to structure course work in compliance with the WVSBOA requirements.

BACHELOR OF SCIENCE IN ACCOUNTING ....128 SEM. HRS.

Business Core	39 (45) SEM. HRS.
Accounting Curriculum (see below)	36 SEM. HRS.
General Studies Requirements	44 SEM. HRS.
Free Electives	9 (3) SEM. HRS.

Six (6) hours of the Business Core are duplicated in the General Studies Requirements, leaving 39 hours of Core classes.

- Accounting Curriculum ....36 SEM. HRS.

Required Courses (36 hrs.)

ACCT	3301	INTERMEDIATE ACCOUNTING I	3
ACCT	3302	INTERMEDIATE ACCOUNTING II	3
ACCT	3325	INTERMEDIATE ACCOUNTING III	3
ACCT	3330	ADVANCED ACCOUNTING I	3
ACCT	3331	ADVANCED ACCOUNTING II	3
ACCT	3350	ACCOUNTING INFORMATION SYSTEMS	3
ACCT	4404	COST ACCOUNTING	3
ACCT	4405	AUDITING	3
ACCT	4406	FEDERAL INCOME TAX ACCOUNTING: INDIVIDUAL	3
ACCT	4407	FEDERAL INCOME TAX ACCOUNTING: PARTNERSHIP AND CORPORATION	3
ACCT	4410	CASE STUDIES IN ACCOUNTING	3
BUSN	3307	BUSINESS LAW II	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

SOPHOMORE FIRST SEMESTER

ACCT	3301	INTERMEDIATE ACCOUNTING I	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			15

SOPHOMORE SECOND SEMESTER

ACCT	3302	INTERMEDIATE ACCOUNTING II	3
ECON	2202	ECONOMICS PRINCIPLES AND PROBLEMS II	3
MKTG	2204	PRINCIPLES OF MARKETING	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
			15

JUNIOR FIRST SEMESTER

ACCT	3330	ADVANCED ACCOUNTING I	3
ACCT	3325	INTERMEDIATE ACCOUNTING III	3
ACCT	3350	ACCOUNTING INFORMATION SYSTEMS	3
BUSN	3306	BUSINESS LAW I	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

ACCT	3331	ADVANCED ACCOUNTING II	3
ACCT	4404	COST ACCOUNTING	3
BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
BUSN	3307	BUSINESS LAW II	3
BUSN	3320	INTERNATIONAL BUSINESS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			18

SENIOR FIRST SEMESTER

ACCT	4406	FED. INCOME TAX ACCOUNTING INDIVIDUAL	3
ACCT	4405	AUDITING	3
BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
ELECTIVE			3
			15

SENIOR SECOND SEMESTER

ACCT	4407	FED. INC. TAX ACCOUNTING: PARTNERSHIP & CORP.	3
ACCT	4410	CASE STUDIES IN ACCOUNTING	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
ELECTIVE			3
ELECTIVE			3
			15

MINOR IN ACCOUNTING ....18 SEM. HRS.

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
ACCT	2202	PRINCIPLES OF ACCOUNTING II	3

Select 12 hours from the following courses:

ACCT	3301/02	INTERMEDIATE ACCOUNTING I, II	6
ACCT	3330/31*	ADVANCED ACCOUNTING I, II	3
ACCT	3350	ACCOUNTING INFORMATION SYSTEMS	3
ACCT	4404	COST ACCOUNTING	3
ACCT	4405*	AUDITING	3
ACCT	4406	FEDERAL INCOME TAX ACCOUNTING: INDIVIDUAL	3
ACCT	4407	FEDERAL INCOME TAX ACCOUNTING: PARTNERSHIP & CORPORATION	3

**ACCT 3302 - Intermediate Accounting II is a prerequisite for this course.*

BUSINESS EDUCATION:

Teaching Specialization in Business Education
Business Education Comprehensive

Business Education is a professional field for people interested in teaching in a school system, grades 5-Adult; junior or community college; or a vocational-technical center. Training is provided through a student teaching experience in the public school system. Graduates of this program also have the option of working in the business world. Courses marked with an asterisk must be completed prior to admission to the Initial Performance Practicum. Please note: Candidates for this degree are NOT required to complete the entire Business Core; all courses required for the major are listed below.

Students must meet requirements for admission to teacher education. See education section of the catalog for information on admission requirements.

BACHELOR OF ARTS IN EDUCATION:
EDUCATION GRADES 5-ADULT ....131 SEM. HRS.

Business Education Curriculum (see below) ...57 SEM. HRS.
General Studies Requirements.......................38 SEM. HRS.
Professional Education Courses ....36 SEM. HRS.

Students complete 6 hours of General Studies in Business Education, leaving 38 hours of General Studies classes for their B.A. in Education.

- Business Education Curriculum.....................57 SEM. HRS.

ACCT*	2201	PRINCIPLES OF ACCOUNTING I	3
ACCT*	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN*	1102	INTRODUCTION TO BUSINESS	3
BUSN*	1141	BUSINESS MATHEMATICS	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
BUSN	3306	BUSINESS LAW I	3
BUSN*	4431	METHODS AND MATERIALS IN TEACHING BUSINESS EDUCATION	3
ECON*	2201	ECONOMIC PRINCIPLES & PROBLEMS I	3
ECON*	2202	ECONOMIC PRINCIPLES & PROBLEMS II	3
FINC*	3307	PERSONAL FINANCE	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
INFO	2220	SPREADSHEET DESIGN	3
MGMT	2214	OFFICE MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
OFAD*	2232	WORD PROCESSING APPLICATIONS	3
OFAD*	2233	DATABASE APPLICATIONS	3
OFAD*	2240	ADMINISTRATIVE OFFICE PROCEDURES	3
OFAD*	2995	PROF. INTERNSHIP AND PORTFOLIO DEVELOPMENT	3
OFAD*	2250	DESKTOP PUBLISHING	3

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1107	FUNDAMENTAL CONCEPTS OF MATH	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

SOPHOMORE FIRST SEMESTER

BUSN	1102	INTRODUCTION TO BUSINESS	3
BUSN	1141	BUSINESS MATHEMATICS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2250	DESKTOP PUBLISHING	3
			18

SOPHOMORE SECOND SEMESTER

EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	HUMAN GROWTH AND DEVELOPMENT (CLINICAL I)	1
ECON	2202	ECONOMIC PRINCIPLES AND PROBLEMS II	3
INFO	2220	SPREADSHEET DESIGN	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			16

JUNIOR FIRST SEMESTER

BUSN	2251	CORPORATE COMMUNICATIONS	3
EDUC	3331	READING IN THE CONTENT AREAS	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2240	ADMINISTRATIVE OFFICE PROCEDURES	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	INCLUSIVE CLASSROOM PRACTICES (CLINICAL II)	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	EDUCATIONAL PSYCHOLOGY (CLINICAL II)	1
FINC	3307	PERSONAL FINANCE	3
MGMT	2214	OFFICE MANAGEMENT	3
			17

SENIOR FIRST SEMESTER

BUSN	3306	BUSINESS LAW I	3
BUSN	4431	METHOD AND MATERIALS IN TEACHING BUS. ED.	3
MKTG	2204	PRINCIPLES OF MARKETING	3
OFAD	2995	PROFESSIONAL INTERNSHIP & PORTFOLIO DEV.	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			18

SENIOR SECOND SEMESTER

EDUC	3395	SEC. CLASSROOM ORGANIZATION & PRACTICE	4
EDUC	4495	SEC/PRE-K-ADULT STUDENT TEACHING (CLINICAL III)	8
			12

FINANCE

The Finance curriculum is designed to prepare students for a career path in the financial services industries, as well as for careers in corporate finance functions. Students are exposed to the concepts of financial analysis and financial decision making and their application. Students completing the B.S.

in Business Administration degree with a concentration in finance will be able to compete with graduates of most colleges and universities for positions as account managers, bankers, credit directors, equity traders, sales managers, risk managers and financial managers.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: FINANCE

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: FINANCE	128 SEM. HRS.
Business Core	39 (45) SEM. HRS.
Finance Curriculum (see below)	21 SEM. HRS.
General Studies Requirements	44 SEM. HRS.
Free Electives	24 (18)SEM. HRS.

Six (6) hours of the Business Core are duplicated in the General Studies Requirements, leaving 39 hours of Core classes.

- Finance Curriculum ....21 SEM. HRS.

Required Courses (21 hrs.)

BUSN	3307	BUSINESS LAW II	3
FINC	3307	PERSONAL FINANCE	3
FINC	3350	INVESTMENTS	3
FINC	3384	BANK MANAGEMENT	3
FINC	3385	ANALYZING FINANCIAL STATEMENTS	3
FINC	4410	MANAGERIAL FINANCE	3
FINC	4412	PC APPLICATIONS FOR MANAGERIAL FINANCE	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
ECON	2202	ECONOMIC PRINCIPLES AND PROBLEMS II	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
			15

SOPHOMORE SECOND SEMESTER

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
MKTG	2204	PRINCIPLES OF MARKETING	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
			15

JUNIOR FIRST SEMESTER

BUSN	3306	BUSINESS LAW I	3
FINC	3350	INVESTMENTS	3
BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
BUSN	3320	INTERNATIONAL BUSINESS	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		MINOR/ELECTIVE	3
			18

JUNIOR SECOND SEMESTER

BUSN	3307	BUSINESS LAW II	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
FINC	3307	PERSONAL FINANCE	3
FINC	3384	BANK MANAGEMENT	3
		GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE	3
		MINOR/ELECTIVE	3
			18

SENIOR FIRST SEMESTER

FINC	4410	MANAGERIAL FINANCE	3
FINC	3385	ANALYZING FINANCIAL STATEMENTS	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

SENIOR SECOND SEMESTER

FINC	4412	PC APPLICATIONS FOR MANAGERIAL FINANCE	3
BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

MINOR IN FINANCE ....*18 SEM. HRS.

Required Courses

FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
FINC	4410	MANAGERIAL FINANCE	3

Select 12 hours from the following courses:

FINC	3307	PERSONAL FINANCE	3
FINC	3350	INVESTMENTS	3
FINC	3384	BANK MANAGEMENT	3
FINC	3385	ANALYZING FINANCIAL STATEMENTS	3
FINC	4412	PC APPLICATIONS FOR MANAGERIAL FINANCE	3

**A non-business major must also complete ACCT 2201, Principles of Accounting I, to meet the requirements for a Finance minor.*

GENERAL BUSINESS

The General Business concentration is designed to give students a fundamental understanding of the substance and context of business in a world that is continually changing. Students are exposed to a diversified background in the various disciplines necessary for achieving success in the business arena. This concentration is flexible so that students may tailor their programs to particular interests. Students may select either the Entrepreneurial Studies emphasis or the General emphasis. The General emphasis is designed to give students a fundamental understanding of the substance and context of business in a highly competitive and dynamic environment. The Entrepreneurial Studies emphasis is designed to meet the needs of students who are interested in starting their own businesses. Graduates are prepared to secure positions in insurance companies, banks, retail businesses, personnel and human resource departments, government services, and/or manage their own businesses.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: GENERAL BUSINESS

(General emphasis) ....128 SEM. HRS.
Business Core.. 39 (45)SEM. HRS.
General Curriculum (see below) ....18 SEM. HRS.
General Studies Requirements.......................44 SEM. HRS.
Free Electives..27 (21)SEM. HRS.

Six (6) hours of the Business Core are duplicated in the General Studies Requirements, leaving 39 hours of Core classes.

- General Curriculum......................................18 SEM. HRS.

This emphasis is flexible so that students may tailor their programs to their particular interests. With guidance from a faculty advisor and approval by the Dean of the Business School, students will determine a program of 18 credit hours of 3000 or 4000 level business courses that will fulfill their needs and objectives.

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		ENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
ECON	2202	ECONOMIC PRINCIPLES AND PROBLEMS II	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
MKTG	2204	PRINCIPLES OF MARKETING	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			18

SOPHOMORE SECOND SEMESTER

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		MAJOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			18

JUNIOR FIRST SEMESTER

BUSN	3306	BUSINESS LAW I	3
BUSN	3320	INTERNATIONAL BUSINESS	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		MAJOR/ELECTIVE	3
		MAJOR/ELECTIVE	3
			18

JUNIOR SECOND SEMESTER

BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
		GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE	3
		MAJOR/ELECTIVE	3
		MAJOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

SENIOR FIRST SEMESTER

BUSN	2251	CORPORATE COMMUNICATIONS	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
		MAJOR/ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

SENIOR SECOND SEMESTER

BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			12

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: GENERAL BUSINESS

(Entrepreneurial Studies emphasis) ....128 SEM. HRS.
Business Core.. 39 (45)SEM. HRS.
Entrepreneurial Studies Curriculum
(see below) ....18 SEM. HRS.
General Studies Requirements.......................44 SEM. HRS.
Free Electives...27 (21) SEM. HRS.

Six (6) hours of the Business Core are duplicated in the General Studies Requirements, leaving 39 hours of Core classes.

- Entrepreneurial Studies Curriculum................18 SEM. HRS.
  Required Courses (18 hrs.)

ACCT	2215	MANAGERIAL ACCOUNTING	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
BUSN	3300	ENTREPRENEURSHIP	3
BUSN	3340	ADVANCED BUSINESS LAW FOR MANAGERS	3
FINC	3315	VENTURE FINANCE	3
BUSN	4405	ENTREPRENEURIAL LEADERSHIP	3
-OR-			
BUSN	4410	ENTERPRISE DEVELOPMENT	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
ECON	2202	ECONOMIC PRINCIPLES AND PROBLEMS II	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
MKTG	2204	PRINCIPLES OF MARKETING I	3
COMM	2202	INTRO. TO COMMUNICATION IN THE WORLD OF WORK	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		MINOR/ELECTIVE	3
			18

SOPHOMORE SECOND SEMESTER

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN	3300	ENTREPRENEURSHIP	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		MINOR/ELECTIVE	3
			18

JUNIOR FIRST SEMESTER
ACCT 2215 MANAGERIAL ACCOUNTING 3
BUSN 3306 BUSINESS LAW I 3
FINC 2201 INTRODUCTION TO FINANCIAL MANAGEMENT 3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE 3
MINOR/ELECTIVE 3
MINOR/ELECTIVE 3
18

JUNIOR SECOND SEMESTER
BUSN 3310 BUSINESS AND ECONOMIC STATISTICS 3
BUSN 3320 INTERNATIONAL BUSINESS 3
FINC 3315 VENTURE FINANCE 3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE 3
MINOR/ELECTIVE 3
15

SENIOR FIRST SEMESTER
BUSN 2251 CORPORATE COMMUNICATIONS 3
BUSN 3340 ADVANCED BUSINESS LAW FOR MANAGERS 3
INFO 2200 FUNDAMENTALS OF INFORMATION SYSTEMS 3
MINOR/ELECTIVE 3
MINOR/ELECTIVE 3
15

SENIOR SECOND SEMESTER
BUSN 4415 STRATEGIC MANAGEMENT AND POLICY 3
BUSN 4405 ENTREPRENEURIAL LEADERSHIP 3
-OR-
BUSN 4410 ENTERPRISE DEVELOPMENT 3
MINOR/ELECTIVE 3
MINOR/ELECTIVE 3
12

MINOR IN GENERAL BUSINESS .... 21 SEM. HRS.
This minor is available to NON-BUSINESS majors only.

Required Courses

ACCT 2201 PRINCIPLES OF ACCOUNTING I 3
BUSN 3306 BUSINESS LAW I 3
ECON 2200 ECONOMICS 3
FINC 2201 INTRODUCTION TO FINANCIAL MANAGEMENT 3
INFO 2200 FUNDAMENTALS OF INFORMATION SYSTEMS 3
MGMT 2209 PRINCIPLES OF MANAGEMENT 3
MKTG 2204 PRINCIPLES OF MARKETING 3

HOSPITALITY MANAGEMENT

The curriculum of the Hospitality Management program incorporates the study of fundamental business principles with practical culinary techniques. Students must complete an Associate Degree in Food Service Management-Culinary Arts Specialization, Pastry and Baking Arts Specialization or Resort and Hotel Management Specialization before being accepted into the Hospitality Management program. (See C&TC catalog description for AAS Food Service Management). The Hospitality Management program of study produces graduates who are equipped to pursue a career in management of a hospitality operation. Graduates of the Hospitality Management program are prepared for positions in management of hotels & lodging, food service, cruise ships, country clubs, resorts, and tourism.

Students in the Hospitality Management program are NOT required to take the following Business Core courses:

ECON 2201/02
MGMT 2209
MKTG 2204

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: HOSPITALITY MANAGEMENT/Culinary Specialization ...129 SEM. HRS.

AAS Food Service Management (Culinary Specialization) .... 64 SEM. HRS.
Business Core .... 33 SEM. HRS.
Hospitality Curriculum (see below) .... 6 SEM. HRS.
General Studies Requirements .... 26 (44)SEM. HRS.

Students complete 18 hours of General Studies Requirements in the AAS Food Service Management, leaving 26 hours of General Studies classes for their BS.

- Hospitality Curriculum .... 6 SEM. HRS.

Required Courses (6 hrs.)

BUSN 4440 HOSPITALITY MANAGEMENT INTERNSHIP 3
ECON 2200 ECONOMICS 3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER
FOSM 1119 INTRODUCTION TO FOOD SERVICE INDUSTRY 3
FOSM 1121 FOOD SERVICE FACILITY AND EQUIPMENT 3
FOSM 1122 SANITATION AND SAFETY 2
FOSM 2201 PRINCIPLES OF FOOD SELECTION AND PREPARATION 3
FOSM 2203 PRINCIPLES OF FOOD LAB. 1
ENGL 1104 WRITTEN ENGLISH 3
15

FRESHMAN SECOND SEMESTER
FOSM 1140 FOOD SERVICE COST ANALYSIS 3
FOSM 2202 PRINCIPLES OF QUANTITY FOOD 3
FOSM 2204 PRINCIPLES OF QUANTITY LAB. 1
FOSM 2209 FOOD SPECIALTIES: GARDE MANGE 3
MGMT 2209 PRINCIPLES OF MANAGEMENT 3
ENGL 1108 WRITTEN ENGLISH II 3
16

SUMMER
FOSM 2995 FOOD SERVICE PRACTICUM 6

SOPHOMORE FIRST SEMESTER
FOSM 1110 NUTRITION 3
FOSM 1130 BASIC BAKING 3
FOSM 2224 PURCHASING AND RECEIVING 3
FOSM 2228 FOOD SERVICE ORG/MGMT 3
INFO 1100 COMPUTER CONCEPTS AND APPLICATIONS 3
15

SOPHOMORE SECOND SEMESTER
FOSM 2227 FOOD AND BEVERAGE MERCHANDISING 3
FOSM 2995 FOOD SERVICE PRACTICUM 3
MKTG 2204 PRINCIPLES OF MARKETING 3
INFO 2235 MICROCOMPUTER APPLICATIONS FOR BUSINESS 3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE 3
15

JUNIOR FIRST SEMESTER
COMM 2202 INTRO TO COMMUNICATION IN THE WORLD OF WORK 3
ACCT 2201 PRINCIPLES OF ACCOUNTING I 3
BUSN 2251 CORPORATE COMMUNICATIONS 3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE 3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE 4
16

JUNIOR SECOND SEMESTER
MATH 1112 COLLEGE ALGEBRA 3
ACCT 2202 PRINCIPLES OF ACCOUNTING II 3
BUSN 3320 INTERNATIONAL BUSINESS 3
INFO 2200 FUNDAMENTALS OF INFORMATION SYSTEMS 3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE 4
16

SENIOR FIRST SEMESTER

BUSN	3306	BUSINESS LAW I	3
BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
ECON	2200	ECONOMICS	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			18

SENIOR SECOND SEMESTER

BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
BUSN	4440	HOSPITALITY MANAGEMENT INTERNSHIP	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			12

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: HOSPITALITY MANAGEMENT/Pastry and Baking Arts Specialization ....129 SEM. HRS.

AAS Food Service Management (Pastry and Baking Arts Specialization)........64 SEM. HRS.
Business Core...33 SEM. HRS.
Hospitality Curriculum (see below) .... 6 SEM. HRS.
General Studies Requirements................26 (44)SEM. HRS.

Students complete 18 hours of General Studies Requirements in the AAS Food Service Management, leaving 26 hours of General Studies classes for their BS.

- Hospitality Curriculum....................................6 SEM. HRS.

Required Courses (6 hrs.)

BUSN	4440	HOSPITALITY MANAGEMENT INTERNSHIP	3
ECON	2200	ECONOMICS	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

FOSM	1119	INTRODUCTION TO FOOD SERVICE INDUSTRY	3
FOSM	1121	FOOD SERVICE FACILITY AND EQUIPMENT	3
FOSM	1122	SANITATION AND SAFETY	2
FOSM	2201	PRINCIPLES OF FOOD SELECTION AND PREPARATION	3
FOSM	2203	PRINCIPLES OF FOOD LAB.	1
ENGL	1104	WRITTEN ENGLISH	3
			15

FRESHMAN SECOND SEMESTER

FOSM	1140	FOOD SERVICE COST ANALYSIS	3
FOSM	2202	PRINCIPLES OF QUANTITY FOOD	3
FOSM	2204	PRINCIPLES OF QUANTITY LAB.	1
FOSM	2230	PASTRY & BAKING	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
ENGL	1108	WRITTEN ENGLISH II	3
			16

SUMMER

FOSM	2995	FOOD SERVICE PRACTICUM	6

SOPHOMORE FIRST SEMESTER

FOSM	1110	NUTRITION	3
FOSM	1130	BASIC BAKING	3
FOSM	2224	PURCHASING AND RECEIVING	3
FOSM	2228	FOOD SERVICE ORG/MGMT	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
			15

SOPHOMORE SECOND SEMESTER

FOSM	2232	PASTRY & CONFECTIONS	3
FOSM	2995	FOOD SERVICE PRACTICUM	3
MKTG	2204	PRINCIPLES OF MARKETING	3
INFO	2235	MICROCOMPUTER APPLICATIONS FOR BUSINESS	3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE			3
			15

JUNIOR FIRST SEMESTER

COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

JUNIOR SECOND SEMESTER

MATH	1112	COLLEGE ALGEBRA	3
ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN	3320	INTERNATIONAL BUSINESS	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

SENIOR FIRST SEMESTER

BUSN	3306	BUSINESS LAW I	3
BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
ECON	2200	ECONOMICS	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
			18

SENIOR SECOND SEMESTER

BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
BUSN	4440	HOSPITALITY MANAGEMENT INTERNSHIP	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			12

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: HOSPITALITY MANAGEMENT/Resort and Hotel Management Specialization ....128 SEM. HRS.

AAS Food Service Management (Resort and Hotel Management Specialization) ....65 SEM. HRS.
Business Core...30 SEM. HRS.
Hospitality Curriculum (see below) .... 6 SEM. HRS.
General Studies Requirements.................26 (44)SEM. HRS.
Free Elective .... 1 SEM. HR.

Students complete 18 hours of General Studies Requirements in the AAS Food Service Management, leaving 26 hours of General Studies classes for their BS.

- Hospitality Curriculum....................................6 SEM. HRS.

Required Courses (6 hrs.)

BUSN	4440	HOSPITALITY MANAGEMENT INTERNSHIP	3
ECON	2200	ECONOMICS	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

FOSM	1119	INTRODUCTION TO FOOD SERVICE INDUSTRY	3
FOSM	1121	FOOD SERVICE FACILITY AND EQUIPMENT	3
FOSM	1122	SANITATION AND SAFETY	2
FOSM	2200	INTRODUCTION TO FOODS	3
FOSM	1110	NUTRITION	3
ENGL	1104	WRITTEN ENGLISH	3
			17

FRESHMAN SECOND SEMESTER

FOSM	1140	FOOD SERVICE COST ANALYSIS	3
FOSM	2202	PRINCIPLES OF QUANTITY FOOD	3
BUSN	1102	INRODUCTION TO BUSINESS	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ENGL	1108	WRITTEN ENGLISH II	3
			15

SUMMER
FOSM 2995 FOOD SERVICE PRACTICUM ... 6

SOPHOMORE FIRST SEMESTER
FOSM 2225 RESORT & HOTEL MANAGEMENT ... 3
FOSM 1110 NUTRITION ... 3
FOSM 2224 PURCHASING AND RECEIVING ... 3
FOSM 2228 FOOD SERVICE ORG/MGMT ... 3
ACCT 2201 PRINCIPLES OF ACCOUNTING ... 3
15

SOPHOMORE SECOND SEMESTER
MGMT 2209 PRINCIPLES OF MANAGEMENT ... 3
FOSM 2995 FOOD SERVICE PRACTICUM ... 3
MKTG 2204 PRINCIPLES OF MARKETING ... 3
FOSM 2227 FOOD AND BEVERAGE MERCHANDISING ... 3
ELECTIVE ... 1
13

JUNIOR FIRST SEMESTER
COMM 2202 INTRO TO COMMUNICATION IN THE WORLD OF WORK ... 3
INFO 2235 MICRO APP IN BUSINESS ... 3
BUSN 2251 CORPORATE COMMUNICATIONS ... 3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE ... 3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE ... 4
16

JUNIOR SECOND SEMESTER
MATH 1112 COLLEGE ALGEBRA ... 3
ACCT 2202 PRINCIPLES OF ACCOUNTING II ... 3
BUSN 3320 INTERNATIONAL BUSINESS ... 3
INFO 2200 FUNDAMENTALS OF INFORMATION SYSTEMS ... 3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE ... 4
16

SENIOR FIRST SEMESTER
BUSN 3306 BUSINESS LAW I ... 3
BUSN 3310 BUSINESS AND ECONOMIC STATISTICS ... 3
ECON 2200 ECONOMICS ... 3
FINC 2201 INTRODUCTION TO FINANCIAL MANAGEMENT ... 3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE ... 3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE ... 3
18

SENIOR SECOND SEMESTER
BUSN 4415 STRATEGIC MANAGEMENT AND POLICY ... 3
BUSN 4440 HOSPITALITY MANAGEMENT INTERNSHIP ... 3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE ... 3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE ... 3
12

INFORMATION SYSTEMS MANAGEMENT

The Information Systems Management degree provides an academic program that balances business management principles and the tools and technologies of computerized information systems. The areas of study include the functional areas of business, computer hardware and operating systems, network architecture and management, programming concepts, database management techniques, e-commerce and web development strategy, systems analysis and design, and project management.

Students completing the B.S. in Information Systems Management degree will be able to compete for positions related to Information Systems (IS), Information Technology (IT), and Business. Specific job titles may include: IS and IT consultants, information systems managers, database and software consultants, logistics managers, system or project managers, and network support services.

BACHELOR OF SCIENCE IN INFORMATION SYSTEMS MANAGEMENT ... 128 SEM. HRS.
Information Systems Management Curriculum (see below) ... 63 SEM. HRS.
General Studies Requirements ... 44 SEM. HRS.
Free Electives ... 21 SEM. HRS.

- Information Systems Management Curriculum ... 63 SEM. HRS.

Required Courses (63 hrs.)

ACCT 2201 PRINCIPLES OF ACCOUNTING I ... 3
ACCT 2202 PRINCIPLES OF ACCOUNTING II ... 3
BISM 1400 CORPORATE COMMUNICATIONS AND TECHNOLOGY ... 3
BISM 2200 BUSINESS INFORMATION TOOLS ... 3
BISM 2400 OPERATING SYSTEMS CONCEPTS ... 3
BISM 2600 INTRODUCTION TO NETWORKING ADMINISTRATION ... 3
BISM 3000 BUSINESS PROGRAMMING LOGIC ... 3
BISM 3200 MANAGEMENT INFORMATION SYSTEMS ... 3
BISM 3400 DATABASE DESIGN AND DEVELOPMENT ... 3
BISM 3600 E-COMMERCE AND WEB DEVELOPMENT STRATEGY ... 3
BISM 3800 OBJECT-ORIENTED BUSINESS APPLICATIONS ... 3
BISM 4000 GLOBAL, ECONOMIC, ETHICAL, AND SOCIAL IS ... 3
BISM 4200 SYSTEMS ANALYSIS AND DESIGN ... 3
BISM 4400 CURRENT TOPICS IN INFORMATION SYSTEMS ... 3
BISM 4800 INFORMATION SYSTEMS PROJECT MANAGEMENT ... 3
BUSN 3306 BUSINESS LAW I ... 3
BUSN 3310 BUSINESS AND ECONOMICS STATISTICS ... 3
ECON 2202 ECONOMIC PRINCIPLES AND PROBLEMS II ... 3
FINC 2201 INTRODUCTION TO FINANCIAL MANAGEMENT ... 3
MKTG 2204 PRINCIPLES OF MARKETING ... 3
MGMT 2209 PRINCIPLES OF MANAGEMENT ... 3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER
ENGL 1104 WRITTEN ENGLISH I ... 3
ECON 2201 ECON PRIN. & PROB. I ... 3
BISM 1200 INTRODUCTION TO COMPUTING ... 3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE ... 3
GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE ... 3
15

FRESHMAN SECOND SEMESTER
ENGL 1108 WRITTEN ENGLISH II ... 3
ECON 2202 ECON PRIN. & PROB. II ... 3
BISM 1400 CORPORATE COMMUNICATIONS AND TECHNOLOGY ... 3
COMM 2202* INTRO TO COMMUNICATION IN WORLD OF WORK ... 3
MATH 1112 COLLEGE ALGEBRA ... 3
15

**Comm 2202 is recommended for all School of Business students; however, Comm 2200 or Comm 2201 may also be used to satisfy this course requirement.*

SOPHOMORE FIRST SEMESTER
ACCT 2201 PRINCIPLES OF ACCOUNTING I ... 3
MGMT 2209 PRINCIPLES OF MANAGEMENT ... 3
BISM 2200 BUSINESS INFORMATION TOOLS ... 3
BISM 2400 OPERATING SYSTEMS CONCEPTS ... 3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE ... 4
16

SOPHOMORE SECOND SEMESTER
ACCT 2202 PRINCIPLES OF ACCOUNTING II ... 3
MKTG 2204 PRINCIPLES OF MARKETING ... 3
BISM 2600 INTRODUCTION TO NETWORKING ADMINISTRATION ... 3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE ... 4
FREE ELECTIVE ... 3
16

JUNIOR FIRST SEMESTER

FINC	2201	INTRO TO FINANCIAL MANAGEMENT	3
BISM	3000	BUSINESS PROGRAMMING LOGIC	3
BISM	3200	MANAGEMENT INFORMATION SYSTEMS	3
BISM	3400	DATABASE DESIGN AND DEVELOPMENT	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
FREE ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

BUSN	3306	BUSINESS LAW I	3
BISM	3600	E-COMMERCE & WEB DEVELOPMENT STRATEGY	3
BISM	3800	OBJECT-ORIENTED BUSINESS APPLICATIONS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
FREE ELECTIVE			3
FREE ELECTIVE			3
			18

SENIOR FIRST SEMESTER

BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
BISM	4000	GLOBAL, ECONOMIC, ETHICAL, & SOCIAL IS	3
BISM	4200	SYSTEMS ANALYSIS & DESIGN	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
FREE ELECTIVE			3
			15

SENIOR SECOND SEMESTER

BISM	4400	CURRENT TOPICS IN INFORMATION SYSTEMS	3
BISM	4800	INFORMATION SYSTEMS PROJECT MANAGEMENT	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
FREE ELECTIVE			3
FREE ELECTIVE			3
			15

MINOR IN INFORMATION SYSTEMS MANAGEMENT..18 SEM. HRS.

Required Courses

INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3

Select 15 hours from the following courses:

INFO	2205	INFO. TECH.-HARDWARE AND OPERATING SYSTEMS	3
INFO	2250	NETWORKING FUNDAMENTALS	3
INFO	2251	ROUTER THEORY AND ROUTER TECHNOLOGIES	3
INFO	2252	ADVANCED ROUTING AND SWITCHING	3
INFO	2253	PROJECT BASED LEARNING	3
BISM	1200	INTRODUCTION TO COMPUTING	3
BISM	1400	CORPORATE COMMUNICATIONS AND TECHNOLOGY	3
BISM	2200	BUSINESS INFORMATION TOOLS	3
BISM	2400	OPERATING SYSTEMS CONCEPTS	3
BISM	2600	INTRODUCTION TO NETWORKING ADMINISTRATION	3
BISM	3000	BUSINESS PROGRAMMING LOGIC	3
BISM	3200	MANAGEMENT INFORMATION SYSTEMS	3
BISM	3400	DATABASE DESIGN AND DEVELOPMENT	3
BISM	3600	E-COMMERCE AND WEB DEVELOPMENT STRATEGY	3
BISM	3800	OBJECT-ORIENTED BUSINESS APPLICATIONS	3
BISM	4000	GLOBAL, ECONOMIC, ETHICAL, AND SOCIAL IS	3
BISM	4200	SYSTEMS ANALYSIS AND DESIGN	3
BISM	4400	CURRENT TOPICS IN INFORMATION SYSTEMS	3

**Please refer to course descriptions for prerequisite information for courses listed above.*

MANAGEMENT

The B.S. in Business Administration management concentration fosters the notion that every organization needs a leader, who is competent and able to make effective decisions concerning organizational resources, goals, and plans. This program is intended to give students the skills necessary to design, operate, and control business systems and procedures. Coursework is geared toward building student understanding of the social, legal, environmental, technological, organizational and international context within which American businesses operate. The numerous management electives allow students to emphasize human resource or business management.

Graduates typically enter an organization in various capacities and eventually move up to middle and top management positions with increasing responsibility. Some of the industries which typically hire graduates with a concentration in management include agriculture, forestry, mining and construction industries, manufacturing industries, transportation, communications and utilities, wholesale and retail trade businesses, state, local and federal governmental units.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: MANAGEMENT............128 SEM. HRS.

Business Core	39 (45) SEM. HRS.
Management Curriculum (see below)	24 SEM. HRS.
General Studies Requirements	44 SEM. HRS.
Free Electives	21 (18)SEM. HRS.

Six (6) hours of the Business Core are duplicated in the General Studies Requirements, leaving 39 hours of Core classes.

- Management Curriculum ....24 SEM. HRS.

  Required Courses (12 hrs.)

MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
MGMT	3390	ORGANIZATIONAL BEHAVIOR	3
MGMT	4402	ORGANIZATIONAL CHANGE & DEVELOPMENT	3
MGMT	4405	OPERATIONS MANAGEMENT	3
-OR -			
MGMT	4409	QUANTITATIVE MANAGEMENT	3

Electives (12 hrs.)

Select 12 hours from the following list:

ACCT	2215	MANAGERIAL ACCOUNTING	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
BUSN	3300	ENTREPRENEURSHIP	3
BUSN	3307	BUSINESS LAW II	3
BUSN	3319	EMPLOYMENT LAW	3
BUSN	4405	ENTREPRENEURIAL LEADERSHIP	3
FINC	4410	MANAGERIAL FINANCE	3
INFO	3373	MANAGEMENT/HUMAN RESOURCE INFORMATION SYSTEMS	3
INTR	2280	EMPOWERING LEADERSHIP	3
MGMT	3370	COMPENSATION AND BENEFITS	3
MGMT	3371	EMPLOYEE RELATIONS	3
MGMT	3372	HUMAN RESOURCE SELECTION AND EVALUATION	3
MGMT	4400	ORGANIZATIONAL THEORY AND DESIGN	3
*MGMT	4405	OPERATIONS MANAGEMENT	3
*MGMT	4409	QUANTITATIVE MANAGEMENT	3
MKTG	3305	SUPPLY CHAIN MANAGEMENT	3

**These courses can only be counted once within this concentration.*

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
MATH	1112	COLLEGE ALGEBRA	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
ECON	2202	ECONOMIC PRINCIPLES AND PROBLEMS II	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
		GENERAL STUDIES – ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
			18

SOPHOMORE SECOND SEMESTER

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES – SOCIETY/HUMAN INTERACTION ELECTIVE	3
			15

JUNIOR FIRST SEMESTER

BUSN	2251	CORPORATE COMMUNICATIONS	3
BUSN	3306	BUSINESS LAW I	3
BUSN	3320	INTERNATIONAL BUSINESS	3
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		MAJOR/ELECTIVE	3
			18

JUNIOR SECOND SEMESTER

BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
MGMT	3390	ORGANIZATIONAL BEHAVIOR	3
		MAJOR/ELECTIVE	3
		MAJOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

SENIOR FIRST SEMESTER

MGMT	4405	OPERATIONS MANAGEMENT	3
-OR-			
MGMT	4409	QUANTITATIVE MANAGEMENT	3
		MAJOR/ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

SENIOR SECOND SEMESTER

MGMT	4402	ORGANIZATIONAL CHANGE AND DEVELOPMENT	3
BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

MARKETING

The Marketing program is designed to develop graduates who possess a strong foundation for many career choices, by offering courses in marketing management, advertising, salesmanship, marketing research, consumer behavior, and supply chain management. The program integrates the marketing training with other relevant disciplines (accounting, management, finance, and economics) to assure that students have the combination of skills that meet management requirements for today's marketing activities. Students completing the B.S. in Business Administration with a concentration in marketing will be able to compete with graduates of most colleges and universities for positions as account supervisors, creative directors, advertising managers or executives, circulation managers, fundraising consultants, marketing directors, executive directors, marketing program managers, sales and marketing executives and operations managers.

NOTE: The minor in Retail Management cannot be used to fulfill a minor requirement when the concentration is Marketing.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: MARKETING .... 128 SEM. HRS.

Business Core	39 (45) SEM. HRS.
Marketing Curriculum (see below)	18 SEM. HRS.
General Studies Requirements	44 SEM. HRS.
Free Electives	27 (21) SEM. HRS.

Six (6) hours of the Business Core are duplicated in the General Studies Requirements, leaving 39 hours of Core classes.

- Marketing Curriculum ....18 SEM. HRS.

MKTG	3340	MARKETING RESEARCH	3
MKTG	4450	MARKETING MANAGEMENT	3
MKTG	2205	SALESMANSHIP & SALES MANAGEMENT	3
MKTG	3305	SUPPLY CHAIN MANAGEMENT	3
MKTG	3310	CONSUMER BEHAVIOR	3
MKTG	3320	ADVERTISING AND SALES PROMOTION	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
ECON	2202	ECONOMIC PRINCIPLES AND PROBLEMS II	3
		GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE	4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
			15

SOPHOMORE SECOND SEMESTER

ACCT	2202	PRINCIPLES OF ACCOUNTING II	3
BUSN	2251	CORPORATE COMMUNICATIONS	3
MKTG	2204	PRINCIPLES OF MARKETING	3
		GENERAL STUDIES - SOCIETY/HUMAN INTERACTION ELECTIVE	3
		GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE	3
		GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE	3
			18

JUNIOR FIRST SEMESTER

FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
		MAJOR/ELECTIVE	3
		MAJOR/ELECTIVE	3
		MINOR/ELECTIVE	3
			15

JUNIOR SECOND SEMESTER

BUSN	3306	BUSINESS LAW I	3
BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
BUSN	3320	INTERNATIONAL BUSINESS	3
MAJOR/ELECTIVE			3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
			18

SENIOR FIRST SEMESTER

BUSN	4415	STRATEGIC MANAGEMENT AND POLICY	3
MKTG	3340	MARKETING RESEARCH	3
MAJOR/ELECTIVE			3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
			15

SENIOR SECOND SEMESTER

MKTG	4450	MARKETING MANAGEMENT	3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
MINOR/ELECTIVE			3
			15

SPORT MANAGEMENT

The curriculum of the Sport Management program incorporates not only the principles of marketing and management but also the knowledge of all sporting activities. The curriculum focuses on the business of sports and produces graduates who understand sound business principles. Students completing the B.S. in Business Administration degree with a concentration in sport management will be able to compete with graduates of most colleges and universities for positions in promotion and event management, sales administration, sports marketing, health resorts, wellness centers and country clubs. The sport management concentration consists of a sport management core, business core and one of four sport management emphases: Sport Marketing & Promotions emphasis, Athletic Administration & Coaching emphasis, Sport Club & Fitness Management emphasis, Sport Camp & Recreation Management emphasis.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: SPORT MANAGEMENT ....128 SEM. HRS.

General Studies Requirement	42 SEM. HRS.
Sport Management Core Requirement	14 SEM. HRS.
Business Management Core Requirement	33 SEM. HRS.
Sport Management Emphasis	17-18 SEM. HRS.
Free Electives	21-22 SEM. HRS.

- Sport Management Curriculum ....14 SEM. HRS.

PHED	2201	INTRODUCTION TO SPORT MANAGEMENT	3
PHED	2210	SPORT MARKETING & PROMOTIONS	3
PHED	3327	SPORT IN SOCIETY	3
PHED	3357	SPORT & THE LAW	2
PHED	4201	SPORT FINANCE	3

- Sport Management Business Core ....33 SEM. HRS.

INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
ECON	2200	ECONOMICS	3
ACCT	2201	ACCOUNTING I	3
FINC	2201	INTRODUCTION OT FINANCIAL MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
BUSN	3306	BUSINESS LAW I	3
BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
BUSN	3320	INTERNATIONAL BUSINESS	3
BUSN	4415	STRATEGIC MANAGEMENT & POLICY	3

Electives (15 hrs.)

BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
ENGL	1109	TECHNICAL REPORT WRITING	3
-OR-			
JOUR	2240	REPORTING I	3
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
MKTG	2205	SALESMANSHIP AND SALES MANAGEMENT	3
MKTG	3305	SUPPLY CHAIN MANAGEMENT	3
MKTG	3320	ADVERTISING AND SALES PROMOTION	3
MKTG	3340	MARKETING RESEARCH	3
COMM	1171	MASS COMMUNICATION	3
COMM	3337	PERSUASIVE COMMUNICATION	3

Note: Courses required in the major that also satisfy general studies requirements may be counted formally as part of the general studies requirement.

Sport management majors must choose one of the following emphasis the major:

- Sport Marketing & Promotions Emphasis.......18 SEM. HRS.

COMM	1171	MASS COMMUNICATION	3
MKTG	2205	SALESMANSHIP & SALES MANAGEMENT	3
MKTG	3310	CONSUMER BEHAVIOR	3
MKTG	3320	ADVERTISING & SALES PROMOTION	3
MKTG	3340	MARKETING RESEARCH	3
PHED	3398	SPORT MANAGEMENT INTERNSHIP	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2200	ECONOMICS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3
PHED	2201	INTRODUCTION TO SPORT MANAGEMENT	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
PHED	2210	SPORT MARKETING & PROMOTIONS	3
COMM	1171	MASS COMMUNICATION	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - ARTISTIC/CREATIVE EXPRESSION ELECTIVE			3
			18

SOPHOMORE SECOND SEMESTER

FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MKTG	2205	SALESMANSHIP & SALES MANAGEMENT	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
FREE ELECTIVE			3
			15

JUNIOR FIRST SEMESTER

INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
BUSN	3306	BUSINESS LAW I	3
MKTG	3310	CONSUMER BEHAVIOR	3
INTR	2200	RACE, CLASS & GENDER IN POP CLTR	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
FREE ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

COMP	1101	APPLIED TECHNICAL PROGRAMMING	3
BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
PHED	3320	SPORT IN SOCIETY	3
MKTG	3320	ADVERTISING & SALES PROMOTION	3
FREE ELECTIVE			3
			15

SENIOR FIRST SEMESTER

MKTG	3340	MARKETING RESEARCH	3
PHED	4201	SPORT FINANCE	3
PHED	3398	SPORT MANAGEMENT INTERNSHIP	3
BUSN	3320	INTERNATIONAL BUSINESS	3
FREE ELECTIVE			3
			15

SENIOR SECOND SEMESTER

PHED	3357	SPORT & THE LAW	3
BUSN	4415	STRATEGIC MANAGEMENT & POLICY	3
FREE ELECTIVES			9
			15

- Athletic Administration & Coaching Emphasis.......................................17 SEM. HRS.

MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
PHED	3318	SPORT SOCIAL PSYCHOLOGY	2
PHED	3356	ADMINISTRATION & COACHING OF SPORT	3
PHED	3358	TECHNIQUES OF SPORT COACHING	6
PHED	3398	SPORT MANAGEMENT INTERNSHIP	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2200	ECONOMICS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3
PHED	2201	INTRODUCTION TO SPORT MANAGEMENT	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
PHED	2210	SPORT MARKETING & PROMOTIONS	3
INTR	2200	RACE, CLASS & GENDER IN POP CLTR	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
FREE ELECTIVE			3
			18

SOPHOMORE SECOND SEMESTER

FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
GENERAL STUDIES - ARTISTIC/CREATIVE EXPRESSION ELECTIVE			3
GENERAL STUDIES - CUULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
FREE ELECTIVE			3
			15

JUNIOR FIRST SEMESTER

INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
BUSN	3306	BUSINESS LAW I	3
PHED	3318	PSYCHOLOGICAL DYNAMICS OF SPORT	3
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
			15

JUNIOR SECOND SEMESTER

BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
PHED	3320	SPORT IN SOCIETY	3
PHED	3356	ADMINISTRATION & COACHING OF SPORT	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
FREE ELECTIVES			6
			18

SENIOR FIRST SEMESTER

PHED	4201	SPORT FINANCE	3
PHED	3398	SPORT MANAGEMENT INTERNSHIP	3
PHED	3358	TECHNIQUES IN SPORT COACHING	6
BUSN	3320	INTERNATIONAL BUSINESS	3
			15

SENIOR SECOND SEMESTER

PHED	3357	SPORT & THE LAW	3
BUSN	4415	STRATEGIC MANAGEMENT & POLICY	3
FREE ELECTIVES			9
			15

- Sport Club & Fitness Management Emphasis.18 SEM. HRS.

PHED	1100	FITNESS & WELLNESS	2
ELECTIVE			
MKTG	2205	SALESMANSHIP & SALES MGT	3
-OR-			
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
PHED	2211	ANATOMY & PHYSIOLOGY	4
PHED	3312	PHYSIOLOGY OF EXERCISE	3
PHED	3316	FITNESS ASSESSMENT & EXERCISE PRESCRIPTION	3
PHED	3398	SPORT MANAGEMENT INTERNSHIP	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2200	ECONOMICS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3
PHED	2210	INTRODUCTION TO SPORT MANAGEMENT	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
PHED	2210	SPORT MARKETING & PROMOTIONS	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
-OR-			
MKTG	2205	SALESMANSHIP & SALES MANAGEMENT	3
PHED	2211	ANATOMY & PHYSIOLOGY	4
PHED	1100	FITNESS & WELLNESS	2
			18

SOPHOMORE SECOND SEMESTER

FINC	2201	INTRODUCTION TO FINANCIAL MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
INTR	2200	RACE, CLASS & GENDER IN POP CLTR	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
FREE ELECTIVE			3
			16

JUNIOR FIRST SEMESTER

INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
BUSN	3306	BUSINESS LAW I	3
PHED	3312	PHYSIOLOGY OF EXERCISE	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			6
FREE ELECTIVE			3
			18

JUNIOR SECOND SEMESTER

INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
BUSN	3310	BUSINESS 7 ECONOMIC STATISTICS	3
PHED	3320	SPORT IN SOCIETY	3
PHED	3316	FITNESS ASSESSMENT & EXERCISE PRESCRIPTION	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			15

SENIOR FIRST SEMESTER

PHED	4201	SPORT FINANCE	3
PHED	3398	SPORT MANAGEMENT INTERNSHIP	3
BUSN	3320	INTERNATIONAL BUSINESS	3
FREE ELECTIVES			6
			15

SENIOR SECOND SEMESTER

PHED	3357	SPORT & THE LAW	3
BUSN	4415	STRATEGIC MANAGEMENT & POLICY	3
FREE ELECTIVES			9
			15

- Sport Camp & Recreation Management Emphasis ....17 SEM. HRS.

RECR	1141	INTRODUCTION OF RECREATION	3
RECR	3330	GROUP LEADERSHIP	3

Elective

BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
OR			
BUSN	3300	ENTREPRENEURSHIP	3
PHED	2240	OUTDOOR LEISURE ACTIVITIES	2
PHED	3301	CAMP ADMINISTRATION	3
PHED	3398	SPORT MANAGEMENT INTERNSHIP	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
ECON	2200	ECONOMICS	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY	3
PHED	2201	INTRODUCTION TO SPORT MANAGEMENT	3
GENERAL STUDIES - SCIENTIFIC DISCOVERY ELECTIVE			4
			16

SOPHOMORE FIRST SEMESTER

ACCT	2201	PRINCIPLES OF ACCOUNTIN GI	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
PHED	2210	SPORT MARKETING & PROMOTIONS	3
RECR	1141	INTRODUCTION TO RECREATION	3
INTR	2200	RACE, CLASS & GENDER IN POP CLTR	3
COMM	2202	INTRO TO COMMUNICATION IN THE WORLD OF WORK	3
			17

SOPHOMORE SECOND SEMESTER

FINC	2201	INTRODUCTION OT FINANCIAL MANAGEMENT	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
MKTG	2204	PRINCIPLES OF MARKETING	3
GENERAL STUDIES - CULTURE/CIVILIZATION EXPLORATION ELECTIVE			6
			15

JUNIOR FIRST SEMESTER

INFO	2235	MICROCOMPUTER APPLICATIONS IN BUSINESS	3
BUSN	3306	BUSINESS LAW I	3
BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
-OR-			
BUSN	3300	ENTREPRENEURSHIP	3
PHED	2240	OUTDOOR LEISURE ACTIVITIES	2
RECR	3330	GROUP LEADERSHIP	3
GENERAL STUDIES - ARTISTIC/CREATIVE/INTERDISCIPLINARY ELECTIVE			3
			17

JUNIOR SECOND SEMESTER

BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
PHED	3320	SPORT IN SOCIETY	3
FREE ELECTIVES			10
			15

JUNIOR SUMMER

PHED	3301	DAY CAMP ADMINISTRATION	3

SENIOR FIRST SEMESTER

BUSN	3320	INTERNATIONAL BUSINESS	3
PHED	4201	SPORT FINANCE	3
PHED	3398	SPORT MANAGEMENT INTERNSHIP	6
FREE ELECTIVES			6
			15

SENIOR SECOND SEMESTER

PHED	3357	SPORT & THE LAW	3
BUSN	4415	STRATEGIC MANAGEMENT & POLICY	3
FREE ELECTIVES			6
			12

ADDITIONAL BUSINESS MINORS

MINOR IN OFFICE ADMINISTRATION ....18 SEM. HRS.

Required Courses

INFO	2220	SPREADSHEET DESIGN	3
MGMT	2214	OFFICE MANAGEMENT	3
OFAD	2232	WORD PROCESSING APPLICATIONS	3
OFAD	2233	DATABASE APPLICATIONS	3
OFAD	2240	ADMINISTRATIVE OFFICE PROCEDURES	3
OFAD	2250	DESKTOP PUBLISHING	3

MINOR IN PUBLIC ADMINISTRATION ....21 SEM. HRS.

Required Courses (15 hrs.)

FINC	2201	INTRODUCTION TO FINANCE	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
POLI	3300	PUBLIC ADMINISTRATION	3
SOCY	3360	METHODS OF SOCIAL RESEARCH	3

Electives (6 hrs.)

BUSN	3310	BUSINESS AND ECONOMIC STATISTICS	3
MATH	1190	CALCULUS I	4
MGMT	3390	ORGANIZATIONAL BEHAVIOR	3
MGMT	4409	QUANTITATIVE MANAGEMENT	3
MKTG	3340	MARKETING RESEARCH	3
POLI	3302	STATE AND LOCAL GOVERNMENT	3

MINOR IN RETAIL MANAGEMENT ....18 SEM. HRS.

Required Courses (18 hrs.)

BUSN	2205	SMALL BUSINESS FUNDAMENTALS	3
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MKTG	2205	SALESMANSHIP AND SALES MANAGEMENT	3
MKTG	3305	SUPPLY CHAIN MANAGEMENT	3
MKTG	3320	ADVERTISING AND SALES PROMOTION	3

School of Education, Health and Human Performance

Dr. Van O. Dempsey III, Dean
352 Education Building / (304) 367-4241
FAX: (304) 367-4599
Van.Dempsey@fairmontstate.edu

Dr. Carolyn Crislip-Tacy, Associate Dean
345 Education Building / (304) 367-4143
Carolyn.Crislip-Tacy@fairmontstate.edu

Dr. Paul Reneau, Chair
Department of Health and Human Performance
305 Feaster Center / (304) 367-4148
Paul.Reneau@fairmontstate.edu

FACULTY

BAKER, WARREN (1992)
Assistant Professor of Education

BERRYHILL, PHILIP (1990)
Professor of Education
Graduate Faculty

BRUMFIELD, KEDRICK (2004)
Assistant Football Coach
Temporary Instructor of Physical Education

CABLE, ROBERT (1991)
Head Athletic Trainer
Instructor of Physical Education

CRISLIP-TACY, CAROLYN S. (1984)
Associate Dean of the School of Education
Professor of Physical Education

DEMPSEY, VAN O. III (2006)
Dean of the School of Education
Interim Dean of Graduate Studies
Professor of Education

ELLIOTT, JAMES RUSTY (1989)
Athletic Director
Temporary Instructor of Physical Education

HESS, RANDY (1982)
Assistant Professor of Physical Education

HILL, LARRY L. (1968)
Assistant Professor of Physical Education

HUMBERT, ROXANN (2001)
Associate Professor of Education
Graduate Faculty

JONES, GWENDOLYN R. (2003)
Professor of Education
Graduate Faculty

KIEFER, KRISTI A. (1994)
Temporary Assistant Professor of Physical Education

LAVORATA, CHRISTINA M. (1999)
Associate Provost
Associate Professor of Education
Graduate Faculty

LINDSTROM, DENISE (2008)
Temporary Assistant Professor of Education

LOPEZ, MICHAEL A. (2002)
Head Football Coach
Instructor of Health and Physical Education

MCCLURE, NANCY C. (1998)
Director, Gaston Caperton Center
Professor of Education
Graduate Faculty

MCDONALD, STEPHEN M. (1994)
Women's Basketball Coach
Instructor of Physical Education

MICHAEL, BEVERLY (2004)
Assistant Professor of Health Education

MOROOSE, DONALD A. (1969)
Professor/Senior Level: Education
Graduate Faculty

MORPHEW, VALERIE (2000)
Associate Professor of Education
Graduate Faculty

MURPHY, TIMOTHY (2002)
Men's Basketball Coach
Temporary Assistant Professor of Physical Education

NICKOLSON, CLAUDIA (2007)
Assistant Professor of Education

OWENS, BARBARA (2005)
Director, FSU PDS Partnership and Clinical Experiences

PIERCE, RICHARD (2005)
Assistant Professor of Education
Graduate Faculty

RENEAU, JULIE (2009)
Temporary Assistant Professor of Special Education

RENEAU, PAUL D. (2002)
Chair, Health & Human Performance
Professor of Physical Education
Graduate Faculty

RYAN, MICHAEL (2009)
Assistant Professor of Exercise Education/Health Promotion

SAPP, G. H. BUDD (1997)
Professor of Education
Graduate Faculty

SCHMUCK, MATTHEW (2008)
Assistant to Dean for Outdoor Programming and Outreach

SMITH, SHARON (2005)
Professor of Education
Graduate Faculty

SNIVELY, PATRICK M. (2001)
Swim Coach
Temporary Instructor of Physical Education

TANNOUS, CAROL A. (2006)
Coordinator for Pre-Major Student Support

VINCENT, BRETT (2004)
Assistant Men's Basketball Coach
Temporary Instructor of Health and Physical Education

WEBB-DEMPSEY, JACI (2008)
Associate Professor of Education

The teacher education program at Fairmont State University is designed to utilize the cooperative functions of the academic disciplines and the School of Education. The University believes that adequate preparation for teaching requires a rich and comprehensive experience in general education, a concentration in at least one academic specialization and certain attitudes, knowledge, skills and dispositions which characterize effective teaching.

The role of today's teacher requires persons skilled at making instructional and managerial decisions to meet the individual and group needs of a diverse population. Continuing advances in technology force a number of instructional choices, and beginning teachers must be prepared to meet these challenges.

Fairmont State University's undergraduate teacher preparation program has adopted the Informed Decision Maker Model, with the aim of preparing teachers to make instructional decisions based upon a strong foundation of knowledge and skill. With greatly expanded knowledge bases, materials, and technology, teacher preparation programs must produce graduates able to make informed choices in providing equitable access to education for our nation's children.

ADMISSION TO TEACHER EDUCATION

Any student may enroll in EDUC 2200, Introduction to Education, or EDUC 2220, Introduction to Special Education, or EDUC 2201, Instructional Technology. While enrolled in EDUC 2200, teacher candidates will complete a "Declaration of Intent" to the Dean of Teacher Education as the initial step in the application process.

In order to be admitted to teacher education a candidate must have:

- Earned passing scores on all three sections of the Pre-Professional Skills Test (PPST)
- 2.75 overall GPA
- 2.75 education GPA
- 2.75 GPA in each teaching specialization
- Submitted a Declaration of Intent
- Submitted a Criminal Record Background Check

Students are expected to apply for admission to teacher education when these requirements are met and will be notified in writing of the decision to admit or not admit. Teacher education candidates are expected to achieve a GPA of at least 2.75 overall in each content area and in professional education courses in order to be admitted to Clinical III/Student Teaching.

BACHELOR OF ARTS IN EDUCATION

The General Studies requirement for FSU teacher education students differs for elementary and middle/adolescent education programs; however, each consists of a minimum of 45 credit hours distributed over humanities, mathematics, natural sciences and physical education and health. The General Studies requirements for elementary education also fulfill selected requirements for the Elementary/K-6 specializations and are included with the Elementary and the Early/Middle Specialization in determining the 2.75 grade point requirement for eligibility for the Clinical III/Student Teaching component of the program.

To meet the requirements for the Bachelor of Arts in Education, the candidate must:

1) earn a minimum of 128 hours' credit in approved subjects, with a quality point average of 2.75 or better for all courses attempted
2) attain a 2.75 average in each teaching specialization and professional education;
3) meet the general and specific requirements set up for the curriculum and teaching specialization(s) elected;
4) achieve acceptable scores on the PPST;
5) achieve a minimum grade of "C" or better in all EDUC classes.

TEACHING CURRICULA

Fairmont State University recommends for professional licensure only those persons who have graduated and have satisfactorily completed a teacher education curriculum approved by the West Virginia Board of Education. The University offers curricula for early, middle and adolescent education leading to the degree of Bachelor of Arts in Education. Students who satisfactorily complete a teaching curriculum in a given area and achieve passing scores on the PPST, PLT, and appropriate content exams will be recommended for a Professional Certificate in one of the following grade areas:

1) K-6
2) Pre K-Adult
3) 5-9
4) 5-Adult
5) 9-Adult

STUDENT TEACHING / CLINICAL III

Student teaching is required in all programs. Students must maintain at least a"C"average in the coursework portion of Clinical III (EDUC 3395) in order to be eligible for the student teaching experience. Students must complete student teaching or comparable experience at all developmental levels and in all of the teaching specializations for which they expect to be licensed. At the present time, placements are made at the Professional Development Schools (PDS), which encompass public schools in a six county area. These schools are sites of "best practice" and are schools who work collaboratively with Fairmont State University to ensure quality teacher education and professional development for practicing teachers. All such experiences are cooperatively administered by college and public school personnel. Due to the uniqueness of the off-campus student teaching experience, a candidate may be administratively removed if there is cause.

CLINICAL EXPERIENCE

This sequence is required for all teacher education candidates.

Clinical I

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings.

Clinical II

This requirement consists of two one-credit-hour labs that must be completed as a clinical experience in the public school setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills and dispositions in a variety of settings. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiency in the professional role for which s/he is preparing.

Clinical III/Student Teaching

In order to enroll in Clinical III/Student Teaching, a teacher candidate must complete the Application to Clinical III packet and meet the below listed requirements for student teaching. The packets are available in the Dean of Teacher Education Office. All general studies requirements of the University as well as the minimum requirements of the teaching specialization must be completed before Clinical III/Student Teaching can be scheduled.

In order to enroll in Clinical III/Student Teaching the teacher candidate must:

- Be officially admitted to teacher education
- Complete all required hours with a minimum grade point average of 2.75 overall in education foundation and professional education courses, and each teaching specialization. All courses in the teaching specialization which are marked by an asterisk in this catalog must be completed prior to admission to Clinical III/Student Teaching.
- Complete a background check by the Criminal Investigation Bureau of West Virginia State Police and/or the FBI
- Provide evidence of good moral character and professional dispositions as evidenced by positive evaluations from Clinical I and II, faculty, advisors, students, and the community.
- Have a grade of"C"or better in all EDUC classes.

PRAXIS II

Successful completion of the appropriate PRAXIS II Specialty Area test(s) and PLT are requirements for licensure. A report of the Specialty Area Test(s) and PLT scores must accompany the application for licensure to the West Virginia Department of Education. If the test scores do not meet the state minimum score, the application must be held pending receipt of acceptable scores. Candidates should keep in mind that a denial of licensure at the time of graduation may subject them to changes in program requirements if they seek licensure later.

Early/Middle Education. Candidates expecting to be licensed for Elementary Education K-6 and an academic specialization must achieve acceptable scores in both areas.

Middle/Adolescent Education. Candidates expecting to be licensed for teaching in grades 5-Adult or 9-Adult must take the Specialty Area Test consistent with the specialization(s) to be named on the license. If they expect to be licensed in two specializations, they must achieve acceptable scores in both specializations.

Pre K-Adult Education. A candidate expecting to be licensed for teaching in grades Pre K-Adult must achieve acceptable scores on the Specialty Area Test consistent with the Pre K-Adult specialization to be named on the license.

In order to identify the appropriate testing dates, times, locations, etc., for any given year, candidates should check the PRAXIS Bulletin for the year in question.

UNIVERSITY RECOMMENDATION PREREQUISITE TO CERTIFICATION

University recommendation shall take into consideration Chapter 18A, Section 3, Article 1, of the West Virginia School Law, which reads "(1) A certificate to teach may be granted only to any person who is: (A) A citizen of the United States, except as provided in subdivision (2) of this subsection; (B) Is of good moral character; (C) Physically, mentally and emotionally qualified to perform the duties of a teacher; and (D) At least eighteen years on or before the first day of October of the year in which his or her certificate is issued."

The issuance of an original certificate shall require:

1) The recommendation of the Dean of Teacher Education, in consultation with the supervisor of student teachers and chairperson of the department offering the student's chosen specialization. This recommendation is expected to reflect, in addition to academic criteria, satisfactory performance on the part of the applicant in a typical classroom situation.
2) An official statement by the Dean of Teacher Education that the approved program has been completed in full.

Programs of Study

ELEMENTARY EDUCATION K-6

Candidates who wish to qualify for teaching in an open or self-contained classroom, grades K-6, shall complete the General Studies Requirements, the Elementary Education Program and Professional Studies courses as outlined below. Subject specializations are NOT required for this degree but students may choose to add them if they wish. Student teaching is required in an approved K-6 classroom, and in an approved classroom for each additional specialization. Some combinations may require more than 16 weeks of student teaching. For specific program requirements and additional specializations, see the section of the catalog for the academic school which offers the program. Ex: for Art Pre K-Adult, see School of Fine Arts.

Optional specializations which may be combined with Elementary Education are as follows. See below for requirements.

1) Computer Science (Pre K-Adult)
2) School Library/Media (Pre K-Adult)
3) General Mathematics through Algebra I (5-9)
4) Spanish (Pre K-Adult)

BACHELOR OF ARTS IN EDUCATION: ELEMENTARY EDUCATION K-6 .... 132 SEM. HRS.

I. General Studies Requirements .... 44 SEM. HRS.
II. Professional Education Courses .... 39 SEM. HRS.
III. Elementary Education K-6 Program .... 49 SEM. HRS.

- I. General Studies Requirements .... 44 SEM. HRS.

First Year Experience (15 hours)

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
MATH	1112	COLLEGE ALGEBRA	3

Note: Appropriate ACT/SAT scores may allow for an exemption from math 1112

INFO	1100	COMPUTER CONCEPTS	3
COMM	2200	INTRO. TO HUMAN COMM.	3
- OR -			
COMM	2201	INTRO. TO GROUP DISCUSSION	3
- OR -			
COMM	2202	INTRO. TO COMM. IN THE WORLD OF WORK	3

Society/Human Interaction (6 hours)

GEOG	2210	INTRODUCTION TO GEOGRAPHY	3
POLI	1103	AMERICAN GOVERNMENT	3

Culture/Civilization Exploration (9 hours)

ENGL	2220	LITERATURE OF THE WESTERN WORLD I	3
ENGL	2221	LITERATURE OF THE WESTERN WORLD II	3
HIST	1107	US HISTORY I	3
- OR -			
ENGL	2230	INTRODUCTION TO LITERATURE I	3
ENGL	2231	INTRODUCTION TO LITERATURE II	3
HIST	1107	US HISTORY I	3

Scientific Discovery (8 hours)

BIOL	1104	BIOSPHERE	4
PHSC	2201	EXOSPHERE	4

Artistic/Creative Expression and Interdisciplinary/ Advance Study (6 hours)

ART	1120	ART APPRECIATION	3
- OR -			
MUSI	1120	MUSIC APPRECIATION	3
- OR -			
THEA	1120	THEATRE APPRECIATION	3
- OR -			
INTR	1120	EXPERIENCING THE ARTS	3
- AND -			
ARTISTIC/CREATIVE EXPRESSION COURSE OR PERFORMANCE-BASED COURSE OR INTERDISCIPLINARY/ADVANCED STUDIES			3

Writing Intensive Course (3 hours)(requirement met in EDUC 3351 and 3352)
(See Degree Requirements section)

- II. Professional Education .... 39 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC*	3330	THE READING PROCESS	3
EDUC*	3350	ELEMENTARY SOCIAL STUDIES METHODS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL II	1
EDUC	4490	CLINICAL III - K-6 STUDENT TEACHING	12

- III. Elementary Education K-6 Program .... 49 SEM. HRS.

Courses marked with an asterisk must be completed prior to Clinical III - Student Teaching

ART*	3350	ELEMENTARY ART EDUCATION	3
EDUC*	3300	PLANNING, ASSESSMENT, AND MANAGEMENT	3
EDUC*	3331	READING IN THE CONTENT AREAS	3
EDUC*	3332	PEDAGOGY OF LITERACY	3
ENGL*	3354	CHILDREN'S LITERATURE	3
HIST	1108	US HISTORY II	3
HIST	2211	WORLD CIVILIZATIONS I	3
- OR -			
HIST	2212	WORLD CIVILIZATIONS II	3
- OR -			
HIST	2213	WORLD CIVILIZATIONS III	3
HIST*	3302	WEST VIRGINIA	3
HLTA*	4400	HEALTH EDUCATION FOR THE ELEMENTARY SCHOOL	3
MATH*	2251	STRUCTURE OF REAL NUMBERS	3
MATH*	2252	DATA ANALYSIS AND GEOMETRY	3
MATH*	3353	MATH METHODS FOR ELEMENTARY TEACHERS	3
MUSI*	2230	MUSIC IN THE ELEMENTARY CLASSROOM	3
PHED*	3326	EARLY PSYCHOMOTOR DEVELOPMENT	3
PHSC*	2202	GEOSPHERE	4
PHSC*	4412	SCIENCE IN THE ELEMENTARY SCHOOL	3

OPTIONAL SPECIALIZATIONS (for Elementary, K-6 only) .... 19-25 SEM. HRS.

A. Subject Specializations Grades 5-9: General Mathematics Through Algebra I

Requires Special Methods 4431 in the Grades 5-9 specialization. This course must be taken prior to the semester a student plans to enroll in Clinical III/Student Teaching.

ELEMENTARY EDUCATION (B.A.ED.) MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

✓	ENGL	1104	WRITTEN ENGLISH I	3
✓	GEOG	2210	INTRO. TO GEOGRAPHY	3
✓	HIST	1107	U.S. HISTORY I	3
✓	INFO	1100	COMPUTER CONCEPTS & APPLS.	3
✓	POLI	1103	AMERICAN GOVERNMENT	3
✓	G.S. ART		(ART, MUSI, THEA, OR INTR 1120)	3
				18

FRESHMAN SECOND SEMESTER

✓	BIOL	1104	BIOSPHERE	4
✓	EDUC	2200	INTRO. TO EDUCATION	3
✓	EDUC	2220	INTRO. TO SPECIAL EDUCATION	3
✓	ENGL	1108	WRITTEN ENGLISH II	3
✓	MATH	1112	COLLEGE ALGEBRA	3
				16

SOPHOMORE FIRST SEMESTER

✓	EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
✓	ENGL	2220	WORLD LITERATURE I	3
✓	-OR-			
✓	ENGL	2230	INTRO. TO LITERATURE I	3
✓	MATH	2251	STRUCTURE OF REAL NUMBERS	3
✓	COMM	2200, 2201 OR 2202	COMMUNICATION	3
✓	PHSC	2201	EXOSPHERE	4
				16

SOPHOMORE SECOND SEMESTER

✓	EDUC	2202	HUMAN GROWTH & DEVELOPMENT	3
✓	EDUC	2202L	CLINICAL I	1
✓	EDUC	3330	THE READING PROCESS	3
✓	ENGL	2221	WORLD LITERATURE II	3
✓	-OR-			
✓	ENGL	2231	INTRO. TO LITERATURE II	3
✓	MATH	2252	DATA ANALYSIS & GEOMETRY	3
✓	PHSC	2202	GEOSPHERE	4
				17

JUNIOR FIRST SEMESTER

✓	ART	3350	ELEMENTARY ART EDUCATION	3
✓	EDUC	3300	PLANNING, ASSESSMENT & MGMT.	3
✓	EDUC	3331	READING IN THE CONTENT AREAS	3
✓	HIST	2211	WORLD CIV. I	3
✓	-OR-			
✓	HIST	2212	WORLD CIV. II	3
✓	-OR-			
✓	HIST	2213	WORLD CIV. III	3
✓	MATH	3353	MATH METHODS FOR ELEM. TEACHERS	3
✓	MUSI	2230	MUSIC IN THE ELEMENTARY CLASSROOM	3
				18

JUNIOR SECOND SEMESTER

	EDUC	3332	PEDAGOGY OF LITERACY	3
	EDUC	3350	ELEMENTARY SOCIAL STUDIES METHODS	3
	ENGL	3354	CHILDREN'S LITERATURE	3
✓	HIST	1108	U.S. HISTORY II	3
	HIST	3302	WEST VIRGINIA HISTORY	3
✓	PHED	3326	EARLY PSYCHOMOTOR DEVELOPMENT	3
				18

SENIOR FIRST SEMESTER

	EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
	EDUC	3351L	INCLUSIVE CLASSROOM PRACTICES LAB	1
	EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
	EDUC	3352L	EDUCATIONAL PSYCHOLOGY LAB	1
✓	HLTA	4400	HEALTH ED. FOR THE ELEM. SCHOOL	3
	PHSC	4412	SCIENCE IN ELEMENTARY SCHOOL	3
✓	G.S. ART			3
				17

SENIOR SECOND SEMESTER

	EDUC	4490	ELEMENTARY STUDENT TEACHING	12

Writing intensive course will be taken as a required course.

PRE K-ADULT

Candidates who wish to qualify for teaching in an open or self-contained classroom, grades 5-Adult, shall complete the following program. Candidates electing a comprehensive field must include the Methods and Materials course for that comprehensive area. If electing to complete two single-subject specializations, Methods and Materials must be completed for both specializations. The student teaching assignments must also include teaching experience at each developmental level to be named on the license.

BACHELOR OF ARTS IN EDUCATION:
PRE K-ADULT EDUCATION (Hours will vary) 128 MINIMUM

I. General Studies Requirements ....44 SEM. HRS.
II. Professional Education Courses.................36 SEM. HRS.
III. Specializations (Hours will vary)

Choose one of the following options.

a) One comprehensive specialization to teach in grades 5-Adult or 9-Adult the related subjects which comprise the comprehensive specialization.
b) Two single-subject specializations for grades 5-Adult
c) One single-subject specialization for grades 5-Adult or 9-Adult and one specialization for grades 5-9
d) One single specialization for grades 5-Adult or 9-Adult and specialization in either Computer Science Education, Physical Education, School Library-Media, or Spanish Pre K-Adult.

- I. General Studies Requirements ....44 SEM. HRS.

First Year Experience

ENGL	1104	WRITTEN ENGLISH	3
ENGL	1108	ADV. WRITTEN ENGLISH	3
COMM	2200	INTRO. TO HUMAN COMM.	3
-OR-			
COMM	2201	INTRO. TO GROUP DISCUSSION	3
-OR-			
COMM	2202	INTRO. TO COMM. IN THE WORLD OF WORK	3
ANY COLLEGE LEVEL MATH (EXCLUDING 1100 & 1101)			3
INFO	1100	CONCEPTS OF COMPUTING	3

Literature (6 hrs.)
Select one of the following pairs

ENGL	2220	LITERATURE OF THE WESTERN WORLD I	3
ENGL	2221	LITERATURE OF THE WESTERN WORLD II	3
ENGL	2230	INTRODUCTION TO LITERATURE I	3
ENGL	2231	INTRODUCTION TO LITERATURE II	3

Artistic/Creative Expressions (6 hrs)
Select one of the following courses

ART	1120	ART APPRECIATION	3
MUSI	1120	MUSIC APPRECIATION	3
THEA	1120	THEATRE APPRECIATION	3

-AND-

See the Fine Arts section of "Degree Requirements," for the electives available to fulfill the remaining three hours.

-AND-

Select 3 hours from:

HIST	1107	U.S. HISTORY I	3
HIST	1108	U.S. HISTORY II	3

HIST	2211	WORLD CIVILIZATIONS I	3
HIST	2212	WORLD CIVILIZATIONS II	3
HIST	2213	WORLD CIVILIZATIONS III	3
PHIL	2200	INTRO. TO PHILOSOPHY	3
PHIL	2250	GREAT PHILOSOPHERS	3
PHIL	3325	ETHICS	3
PHIL	3350	COMPARATIVE RELIGIONS	3
PHIL	4475	PHILOSOPHY OF HISTORY	3

-OR-

INTERMEDIATE OR ADV. FOREIGN LANGUAGE COURSES

Society/Human Interaction
Select 6 hours from two different disciplines

PSYC	1101	INTRO. TO PSYCHOLOGY I	3
SOCY	1110	INTRO. TO SOCIOLOGY	3
SOCY	1111	INTRO. TO ANTHROPOLOGY	3
ECON	2200	ECONOMICS	3
ECON	2201	ECONOMIC PRINCIPLES & PROBLEMS I	3
GEOG	2210	INTRO. TO GEOGRAPHY	3
POLI	1103	AMERICAN GOVERNMENT	3
POLI	2200	INTRO. TO POLITICAL SCIENCE	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	4405	TERRORISM	3

Scientific Discovery (8 hrs.)

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
CHEM	1101	GENERAL CHEMISTRY I	4
CHEM	1102	GENERAL CHEMISTRY II	4
CHEM	1105	CHEMICAL PRINCIPLES	5
CHEM	1106	CHEMICAL PRINCIPLES II	4
GEOL	1101	PHYSICAL GEOLOGY	4
GEOL	1102	HISTORICAL GEOLOGY	4
GEOL	1103	INTRO. TO ENVIRONMENTAL GEOLOGY	4
PHYS	1101	INTRO. TO PHYSICS I	4
PHYS	1102	INTRO. TO PHYSICS II	4
PHYS	1105	PRINCIPLES OF PHYSICS I	5
PHYS	1106	PRINCIPLES OF PHYSICS II	5

Writing Intensive Course (3 hrs.) (met in EDUC 3351)

- II. Professional Education ....36 SEM. HRS.

EDUC	2200	INTRO. TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECOND./PRE-K-ADULT STUD.TEACH./CLINICAL III	8

- III. Specializations

For course requirements in each specialization, refer to the chapter for the desired subject (e.g.: for Business Education, see Chapter 9, the School of Business). Secondary special methods and student teaching are required in all areas in order to be licensed. Secondary and Pre K-Adult specializations are also available via the Master of Arts in Teaching program.

Art	Pre K-Adult
Biology	9-Adult
Business Education	5-Adult
Chemistry	9-Adult
Computer Science Education	Pre K-Adult
English	5-Adult
Family & Consumer Sciences	5-Adult
French	5-Adult
General Science	5-Adult
Health	5-Adult
Journalism	5-Adult
Mathematics	5-Adult
General Mathematics through Algebra I*	5-9
Music	Pre K-Adult
Oral Communication	5-Adult
Physical Education	Pre K-Adult
Physics	9-Adult
School Library/Media	Pre K-Adult
Social Studies	5-Adult
Spanish	Pre K-Adult
Technology Education	5-Adult
Theatre Education	Pre K-Adult

**requires second specialization for 5-Adult, 9-Adult, or Pre K-Adult*

MINOR IN EDUCATION FOR B.S., B.A. DEGREE

The School of Education/Health and Human Performance offers a minor for interested bachelor's degree students. It is a valuable option for students who have an interest in teaching in their major field (e.g. math, biology, etc.) in the future but do not wish to pursue teacher certification at this time. Students can complete their major with an education minor during the normal four-year sequence and then return to complete the requirements for becoming licensed to teach in their respective field(s).

Teacher candidates are advised to complete the appropriate Special Methods course in addition to the minor if available, (e.g., Math 4431 for a Math major, ENGL 4431 for an English major, etc.). All course prerequisites, including formal admission to teacher education, are required for the minor. Interested students should contact the Dean of Teacher Education, who serves as the advisor for the minor.

MINOR IN EDUCATION ....21 SEM. HRS.
Required Courses (21 hrs.)

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1

Other Programs of Study Available from the School of Education

Students interested in the Bachelor of Science degrees listed here must fulfill the General Studies Requirements as outlined in "Degree Requirements" section. Students interested in the Bachelor of Arts in Education programs must fulfill the General Studies Requirements as outlined in this chapter.

COMPUTER SCIENCE EDUCATION

TEACHING SPECIALIZATION: PRE K-ADULT ....24 SEM. HRS.

Required Courses (24 hrs.)

EDUC	2225	COMPUTER EDUCATION	3
EDUC	2226	TECHNOLOGY IN INSTRUCTION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	3307	INSTRUCTIONAL TECHNOLOGY II	3
GRAP	1150	COMP. APPLICATIONS TO GRAPHICS	3
GRAP	2200	INTRO TO DESKTOP PUBLISHING	3
GRAP	4400	COMPUTER ANIMATION	3
INFO	2250	NETWORKING FUNDAMENTALS	3

Computer Science Education Pre-K-Adult (B.A.Ed.) MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
G.S.	HUM.		3
G.S.	HUM.		3
MATH	1107	FUNDMENTAL CONCEPTS OF MATH	3
			15

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
EDUC	2200	INTRO. TO EDUCATION	3
EDUC	2220	INTRO. TO SPECIAL EDUCATION	3
G.S.	SCIENCE		4
2ND FIELD REQUIREMENT			3
			16

SOPHOMORE FIRST SEMESTER

EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
G.S. SCIENCE			4
GRAP	1150	COMPUTER APPLS. TO GRAPHICS	3
ENGL	LIT.		3
COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
			16

SOPHOMORE SECOND SEMESTER

EDUC	2202	HUMAN GROWTH & DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
GRAP	2200	INTRO. TO DESKTOP PUBLISHING	3
EDUC	2226	TECHNOLOGY IN INSTRUCTION	3
ENGL	LIT.		3
2ND	FIELD REQ.		3
			16

JUNIOR FIRST SEMESTER

G.S.	HUM.		3
EDUC	3331	READING IN THE CONTENT AREAS	3
G.S.	CIV.		3
G.S.	ART.	(ART, MUSI, THEA, OR INTR 1120)	3
EDUC	2225	COMPUTER EDUCATION	3
EDUC	3307	INSTRUCTIONAL TECHNOLOGY II	3
			18

JUNIOR SECOND SEMESTER

EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	ICP LAB	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL II	1
G.S.	ART.		3
GRAP	4400	COMP. ANIMATION & MULTIMEDIA	3
2ND	FIELD REQ.		3
			17

SENIOR FIRST SEMESTER

INFO	2250	NETWORKING FUNDAMENTALS	3
2ND FIELD REQ.			3
2ND FIELD REQ.			3
2ND FIELD REQ.			3
2ND FIELD REQ.			3
2ND FIELD REQ.			3
			18

SENIOR SECOND SEMESTER

EDUC	3395	SEC. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SEC./PRE-K-ADULT STUDENT TEACH	8
			12

LIBRARY SCIENCE

The library science program is designed for students who desire a minor that will prepare them for positions in public, academic, and special libraries, and students who are interested in preparing for graduate study in librarianship. Other students, regardless of subject interest, can profitably elect courses from Library Science offerings.

Persons holding the Bachelor of Arts or Bachelor of Science degree with a minor in library science are prepared for employment in academic, public, or special libraries at the associate level. The library associate performs pre-professional tasks that require maturity of judgment, an appreciation of the philosophy of library service and the ability to respond to the needs of people using the library. This minor also provides the prerequisite requirements of many American Library Association accredited schools.

MINOR IN LIBRARY SCIENCE ....18 SEM. HRS.

Required Courses (18 hrs.)

LIBS	1105	INTRODUCTION TO LIBRARY SCIENCE	3
LIBS	2200	REFERENCE AND BIBLIOGRAPHY	3
LIBS	2209	LIBRARY MATERIALS FOR CHILDREN	3
-OR-			
LIBS	2210	LIBRARY MATERIALS FOR ADOLESCENTS	3
-OR-			
ENGL	3354	CHILDREN'S LITERATURE	3
LIBS	3302	CATALOGING AND CLASSIFICATION	3
-OR-			
LIBS	3303	TECHNOLOGIES AND THE LIBRARY	3
LIBS	3304	ORGANIZATION AND ADMINISTRATION	3
LIBS	4400	LIBRARY PRACTICE	3

TEACHING SPECIALIZATION: SCHOOL LIBRARY MEDIA PRE K-ADULT ....24 SEM. HRS.

The purpose of this program is to prepare students for certification in elementary and secondary school librarianship. This teaching field (Pre K-Adult) must be selected in combination with a specialization for classroom teaching. Library Science 4400 is taken as part of the Clinical III. All other courses must be completed before admission to Clinical III.

Note: All courses are available in a WebCT format for accelerated students at the undergraduate levels. Interested persons should contact the School Library Media Program Coordinator or visit http://library.fairmontstate.edu/ls/index.shtml

Required Courses (24 hrs.)

LIBS 1105 INTRODUCTION TO LIBRARY SCIENCE....................3
LIBS 2200 REFERENCE AND BIBLIOGRAPHY....................3
LIBS 2209 LIBRARY MATERIALS FOR CHILDREN....................3
-OR-
LIBS 2210 LIBRARY MATERIALS FOR ADOLESCENTS....................3
LIBS 3302 CATALOGING AND CLASSIFICATION....................3
LIBS 3303 TECHNOLOGIES AND THE LIBRARY....................3
LIBS 3304 ORGANIZATION AND ADMINISTRATION....................3
LIBS 3305 LIBRARY IN THE EDUCATIONAL PROCESS....................3
LIBS 4400 LIBRARY PRACTICE....................3

EXERCISE SCIENCE

A Bachelor of Science degree and minor are offered in Exercise Science for students interested in pursuing careers outside teaching.

The Exercise Science major integrates the theories and practicalities of exercise physiology in preparing graduates for a career in this field. This is achieved through an understanding of the science of human movement and physiology, coupled with essential hands-on experiences that culminate in an internship in a health/fitness facility. Graduates of this major are prepared to pursue careers in athletics programs, exercise/fitness centers, hospital wellness programs, corporate fitness programs, rehabilitation centers, and allied health areas. Additionally, the program prepares students for advanced study in related fields such as exercise physiology, physical therapy, occupational therapy, etc. Students also have the opportunity to actively participate in faculty research projects, thus expanding their professional knowledge and abilities.

BACHELOR OF SCIENCE IN
EXERCISE SCIENCE....................128 SEM. HRS.
Exercise Science Curriculum (see below)........48 SEM. HRS.
General Studies Requirements....................44 SEM. HRS.
Free Electives....................36 SEM. HRS.

- Exercise Science Curriculum....................48 SEM. HRS.
Required Courses (48 hrs.)

PHED 1100 FITNESS & WELLNESS....................2
PHED 1121 INTRO. SEM. IN HUMAN MOVEMENT....................2
PHED 2211 ANATOMY AND PHYSIOLOGY....................4
PHED 2216 GROUP FITNESS....................2
PHED 2218 ADVANCED PERSONAL TRAINING....................3
PHED 3312 PHYSIOLOGY OF EXERCISE....................3
PHED 3313 BIOMECHANICS (FALL ONLY)....................3
PHED 3316 FITNESS ASSESSMENT & EXERCISE PRESCRIPTION (FALL ONLY)....................3
PHED 3317 CLINICAL APPLICATIONS OF EXERCISE PHYSIOLOGY (SPRING ONLY)....................3
PHED 3318 SPORTS SOCIAL PSYCHOLOGY....................2
PHED 4400 RESEARCH METHODS (FALL ONLY)....................3
PHED 4410 RESEARCH DESIGN SEMINAR (SPRING ONLY)....................3
PHED 4420 EXERCISE SCIENCE INTERNSHIP....................3
HLTA 1150 INTRODUCTION TO HEALTH....................3
FOSM 1150 SPORTS NUTRITION....................3
SAFE 2200 ACCIDENT ANALYSIS & EMERGENCY CARE....................2
CHEM 1101 GENERAL CHEMISTRY I....................4
-OR-
PHYS 1101 INTRO TO PHYSICS I....................4

Exercise Science Major: Recommended Course Sequence

This schedule covers required classes for the major. Students must remember to schedule General Studies Requirements, major electives and free electives as well.

B.S. EXERCISE SCIENCE MODEL SCHEDULE

FRESHMAN FIRST SEMESTER
ENGL 1104 WRITTEN ENGLISH I....................3
PHED 1121 INTRO. SEMINAR IN HUMAN MOVEMENT....................2
PHED 1100 FITNESS & WELLNESS....................2
MATH REQUIREMENT ELECTIVE....................3
HLTA 1150 INTRO TO HEALTH....................3
2ND FIELD HOURS/ELECTIVE....................3
16

FRESHMAN SECOND SEMESTER
INFO 1100 COMPUTER CONCEPTS AND APPLICATIONS....................3
SOCI 1110 INTRODUCTORY SOCIOLOGY....................3
ENGL 1108 WRITTEN ENG II....................3
COMM 2200 OR 2201 OR 2202....................3
SCIENCE REQUIREMENT ELECTIVE....................4
16

SOPHOMORE FIRST SEMESTER
PHED 2211 ANATOMY & PHYSIOLOGY....................4
CHEM 1101 GENERAL CHEMISTRY
-OR-
PHYS 1101 INTRO TO PHYSICS....................4
-OR-
CHEM 1101 GENERAL CHEMISTRY....................
SAFE 2200 ACCIDENT ANALYSIS & EMER. CARE....................2
PHED 2216 GROUP FITNESS....................2
2ND FIELD HOURS/ELECTIVE....................3
15

SOPHOMORE SECOND SEMESTER
PHED 2218 ADVANCED PERSONAL TRAINING....................3
FOSM 1150 SPORTS NUTRITION....................3
PHED 3312 PHYSIOLOGY OF EXERCISE....................3
CULTURE/CIVILIZATION EXPL....................3
ART/CREATIVE EXPR....................3
2ND FIELD HOURS/ELECTIVE....................3
18

JUNIOR FIRST SEMESTER
PHED 3313 BIOMECHANICS....................3
PHED 3316 FITNESS ASSESSMENT....................3
2ND FIELD HOURS/ELECTIVE....................6
CULTURE/CIVILIZATION EXPL....................3
ART/CREATIVE EXPR....................3
18

JUNIOR SECOND SEMESTER
PHED 3318 SPORTS SOCIAL PSYCHOLOGY....................2
PHED 3317 CLINICAL APPLICATIONS OF EX PHYS....................3
2ND FIELD HOURS/ELECTIVE....................12
17

SENIOR FIRST SEMESTER
PHED 4400 RESEARCH METHODOLOGY....................3
2ND FIELD HOURS/ELECTIVE....................12
15

SENIOR SECOND SEMESTER
PHED 4410 RESEARCH DESIGN SEMINAR....................3
PHED 4420 EXERCISE SCIENCE INTERNSHIP....................3
CULTURE/CIVILIZATION EXPL....................3
2ND FIELD HOURS / ELECTIVE....................6
15

**Students should complete math requirements early in their academic career. Depending upon their High School preparation and test scores, additional math courses may be required.*

**Due to the number of elective hours available students may wish to consider a second major in lieu of a minor.*

MINOR IN EXERCISE SCIENCE ....20 SEM. HRS.

Required Courses (20 hrs.)

PHED	1121	INTRODUCTION TO HUMAN MOVEMENT	2
PHED	2211	ANATOMY & PHYSIOLOGY	4
PHED	3312	PHYSIOLOGY OF EXERCISE	3
PHED	3313	BIOMECHANICS (FALL ONLY)	3
PHED	3316	FITNESS ASSESSMENT	3
PHED	3318	SPORT SOCIAL PSYCHOLOGY	2
PHED	4400	RESEARCH METHODOLOGY	3

HEALTH EDUCATION

The Bachelor of Arts in Education degree offers a subject specialization in Health Education, grades 5-Adult. Teacher candidates must meet all requirements for entry into the teacher education program and achieve a 2.75 GPA in the health education coursework prior to student teaching. See the beginning of this chapter for further information on General Studies Requirements for the BA in Education.

BACHELOR OF ARTS IN EDUCATION: HEALTH EDUCATION 5-ADULT TEACHING SPECIALIZATION

BACHELOR OF ARTS IN EDUCATION: HEALTH EDUCATION 5-ADULT TEACHING SPECIALIZATION	131 SEM. HRS.
Health Education Curriculum (see below)	32 SEM. HRS.
General Studies Requirements	44 SEM. HRS.
Professional Education Courses	36 SEM. HRS.
Free Electives	19 SEM. HRS.

- Health Education Curriculum.........................32 SEM. HRS.

Required Courses (32 hrs.)

HLTA	1150	INTRODUCTION TO HEALTH	3
HLTA	2200	FOUNDATIONS OF HEALTH EDUCATION	2
HLTA	2202	COMMUNITY & ENVIRONMENTAL HEALTH	3
HLTA	3310	SCHOOL HEALTH AND SAFETY	3
HLTA	3325	ORGANIZATIONAL AND PLANNING STRATEGIES IN HEALTH EDUCATION	3
HLTA	3370	CONTEMPORARY AND DRUG BEHAVIOR ISSUES	3
HLTA	4410	SEMINAR IN PUBLIC HEALTH EDUCATION (FALL ONLY)	3
HLTA	4415	HUMAN SEXUALITY	3
PHED	2211	ANATOMY AND PHYSIOLOGY	4
PHED	4431	METHODS AND MATERIALS IN TEACHING HEALTH AND PHYSICAL EDUCATION	3
SAFE	2200	ACCIDENT ANALYSIS & EMERGENCY CARE	2

Health Education 5-Adult (B.A.Ed.)-Requires 2nd field

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

SCIE	1000	HUMAN BIOLOGY	4
ENGL	1104	WRITTEN ENGLISH I	3
MATH	1107	FUNDAMENTAL CONCEPTS OF MATH	3
INFO	1100	COMP. CONCEPTS AND APP.	3
HLTA	1150	INTRO. TO HEALTH	3
2ND	FIELD REQ.		2
			18

FRESHMAN SECOND SEMESTER

G.S. SCIENCE			4
G.S. CIV.			3
ENGL	1108	WRITTEN ENGLISH II	3
2ND FIELD REQ.			2
2ND FIELD REQ.			2
PHED	1100	FITNESS & WELLNESS	2
HLTA	2200	FOUNDATIONS OF HEALTH ED.	3
			18

SUMMER SESSION

G.S. CIV.			3
G.S. HUM.			3
COMM	2201	INTRO. TO GROUP DISCUSSION	3
			9

SOPHOMORE FIRST SEMESTER

PHED	2211	ANATOMY & PHYSIOLOGY	4
EDUC	2200	INTRO. TO EDUCATION	3
EDUC	2220	INTRO. TO SPECIAL EDUCATION	3
2ND FIELD REQ.			2
2ND FIELD REQ.			2
SAFE	2200	ACCIDENT ANALYSIS & EMER. CARE	2
HLTA	2202	COMM. & ENVIRON. HEALTH	3
			16

SOPHOMORE SECOND SEMESTER

G.S. HUM.			3
2ND FIELD REQ.			3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
2ND FIELD REQ.			2
2ND FIELD REQ.			2
2ND FIELD REQ.			2
HLTA	3310	SCHOOL HEALTH & SAFETY	3
			18

JUNIOR FIRST SEMESTER

HLTA	3325	ORG. & PLANNING STRAT. IN HEALTH ED.	3
2ND FIELD REQ.			3
2ND FIELD REQ.			2
2ND FIELD REQ.			3
EDUC	2202	HUMAN GROWTH & DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
HLTA	3370	CONTEMPORARY & DRUG BEH. ISSUES	3
			18

JUNIOR SECOND SEMESTER

2ND FIELD REQ.			3
2ND FIELD REQ.			3
2ND FIELD REQ.			2
2ND FIELD REQ.			2
HLTA	4415	HUMAN SEXUALITY	3
EDUC	3331	READING IN THE CONTENT AREAS	3
G.S. ART.			3
			19

SENIOR FIRST SEMESTER

PHED	4431	METHODS & MATERIALS IN HEALTH & PHYS. ED.	3
HLTA	4410	SEMINAR IN PUBLIC HEALTH ED.	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	ICP LAB	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL II	1
G.S. CIV.			3
			17

SENIOR SECOND SEMESTER

EDUC	3395	SEC. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SEC./PRE-K-ADULT STUDENT TEACH.	8
			12

HEALTH SCIENCE

The School of Education/Health and Human Performance offers a Bachelor of Science in Health Science and also a minor for students interested in pursuing a career in this area.

BACHELOR OF SCIENCE IN HEALTH SCIENCE

BACHELOR OF SCIENCE IN HEALTH SCIENCE	128 SEM. HRS.
Health Science Curriculum (see below)	46 SEM. HRS.
Minor required	18 HRS.
General Studies Requirements	44 SEM. HRS.
Free Electives	20 SEM. HRS.

- Health Science Curriculum ....46 SEM. HRS.

Required Courses (46 hrs.)

HLTA	1150	INTRODUCTION TO HEALTH	3
HLTA	2202	COMMUNITY & ENVIRONMENTAL HEALTH	3
HLTA	3370	CONTEMPORARY & DRUG BEHAVIOR ISSUES	3
HLTA	4410	SEMINAR IN PUBLIC HEALTH EDUCATION (FALL ONLY)	3
HLTA	4415	HUMAN SEXUALITY	3
HLTA	4450	FIELD PRACTICUM IN PUBLIC HEALTH (SPRING ONLY)	4
BUSN	3310	STATISTICS	3
CHEM	1101	GENERAL CHEMISTRY I	4
CHEM	1102	GENERAL CHEMISTRY II	4
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
PHED	2211	ANATOMY AND PHYSIOLOGY	4
PSYC	2230	SOCIAL PSYCHOLOGY	3
PSYC	2250	COMMUNITY PSYCHOLOGY	3
SOCY	2200	SOCIAL PROBLEMS	3

Health Science Major: Recommended Course Sequence

This schedule covers required classes for the major. Students must remember to schedule General Studies Requirements, major electives and free electives as well.

FIRST YEAR		SECOND YEAR	
1st Semester	*2nd Semester*	*1st Semester*	*2nd Semester*
HLTA 1150	SOCY 1110	PHED 2211	CHEM 1101
SCIE 1000	HLTA 2202	HLTA 3370	FOSM 1100
PHED 1100		PSYC 1101	PSYC 2230
			SOCY 2200

THIRD YEAR		FOURTH YEAR	
1st Semester	*2nd Semester*	*1st Semester*	*2nd Semester*
CHEM 1102	HLTA 4415	HLTA 4410	HLTA 4450
PSYC 2250		BUSN 3310	

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

HLTA	1150	INTRO. TO HEALTH	3
SCIE	1000	HUMAN BIOLOGY	4
MATH	1107	FUND. CONCEPTS OF MATH	3
ENGL	1104	WRITTEN ENGLISH I	3
SOCY	1110	INTRO. TO SOCIOLOGY	3
PHED	1100	FITNESS & WELLNESS	2
			18

FRESHMAN SECOND SEMESTER

INFO	1100	COMPUTER CONCEPTS & APPLS.	3
HLTA	2202	COMMUNITY & ENVIR. HEALTH	3
ENGL	1108	WRITTEN ENGLISH II	3
PSYC	1101	INTRO. TO PSYCHOLOGY	3
			12

SOPHOMORE FIRST SEMESTER

PHED	2211	ANATOMY & PHYSIOLOGY	4
HLTA	3370	CONTEMP. & DRUG BEH. ISSUES	3
CHEM	1101	GENERAL CHEMISTRY I	4
COMM	2201	INTRO. TO GROUP DISCUSSION	3
ELECTIVE			3
			17

SOPHOMORE SECOND SEMESTER

CHEM	1102	GENERAL CHEMISTRY II	4
FOSM	1100	NUTRITION	3
PSYC	2230	SOCIAL PSYCHOLOGY	3
G.S. CIV.			3
SOCY	2200	SOCIAL PROBLEMS	3
			16

JUNIOR FIRST SEMESTER

G.S. CIV.			3
ELECTIVE			3
ELECTIVE			3
G.S. ART			3
PSYC	2250	COMMUNITY PSYCHOLOGY	3
			15

JUNIOR SECOND SEMESTER

HLTA	4415	HUMAN SEXUALITY	3
ELECTIVE			3
ELECTIVE			3
ELECTIVE			3
G.S. ART			3
G.S. CIV.			3
			18

SENIOR FIRST SEMESTER

HLTA	4410	SEMINAR IN PUBLIC HEALTH	3
BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
ELECTIVE			3
ELECTIVE			3
ELECTIVE			3
			15

SENIOR SECOND SEMESTER

HLTA	4450	FIELD PRAC. IN PUBLIC HEALTH	4
ELECTIVE			3
ELECTIVE			3
ELECTIVE			3
ELECTIVE			4
			17

MINOR IN HEALTH SCIENCE ....19 SEM. HRS.

Required Courses (19 hrs.)

HLTA	1150	INTRODUCTION TO HEALTH	3
HLTA	2202	COMMUNITY AND ENVIRONMENTAL HEALTH	3
HLTA	3370	CONTEMPORARY AND DRUG BEHAVIOR ISSUES	3
HLTA	4410	SEMINAR IN PUBLIC HEALTH EDUCATION	3
HLTA	4415	HUMAN SEXUALITY	3
HLTA	4450	FIELD PRACTICUM IN PUBLIC HEALTH	4

SCHOOL NURSE PROGRAM - NURSING AND ALLIED HEALTH

The School Nurse program is open to students who currently possess RN licensure (Bachelor's Degree) or plan to earn it. This option licenses interested parties to serve as a school nurse in a Pre K-Adult setting. Interested persons should contact the Dean of the School of Education or Dean of the School of Nursing and Allied Health. The requirements are as follows.

1) Licensure as a Registered Nurse (Bachelor's Degree)
2) EDUC 2200 - Introduction to Education
3) Acceptable scores on the PPST Reading, Writing and Mathematics tests
4) Public School Practicum

PHYSICAL EDUCATION

The Bachelor of Arts in Education degree offers a subject specialization in Physical Education, grades Pre K-Adult. The Physical Education Program is designed to stimulate the development of competencies in the application, analysis and syntheses of concepts related to effective performance of sport and human movement activities. Teacher candidates must meet all requirements for entry into the teacher education program and achieve a 2.75 GPA in the physical education coursework prior to student teaching.

See the beginning of this chapter for further information on General Studies Requirements for the BA in Education.

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN PHYSICAL EDUCATION PRE K-ADULT ....132 SEM. HRS.

Physical Education Curriculum (see below)	43 SEM. HRS.
General Studies Requirements	45 SEM. HRS.
Professional Education Courses	36 SEM. HRS.
Free Electives	8 SEM. HRS.

- Physical Education Curriculum.......................43 SEM. HRS.

Required Courses (43 hrs.)

PHED	1121	INTRO. SEM. IN HUMAN MOVEMENT	2
PHED	2211	ANATOMY AND PHYSIOLOGY	4
PHED	2223	EVALUATION OF INSTRUCTION IN SPORT	2
PHED	2232	BASIC AQUATICS	2
-OR-			
PHED	2233	ADVANCED AQUATICS-LIFEGUARDING	2
PHED	2234	INDIVIDUAL AND DUAL SPORTS I	2
PHED	2235	TEAM SPORTS I	2
PHED	2236	TEAM SPORTS II	2
PHED	2239	INDIVIDUAL AND DUAL SPORTS II	2
PHED	2240	OUTDOOR LEISURE ACTIVITIES	2
PHED	3312	PHYSIOLOGY OF EXERCISE	3
PHED	3313	BIOMECHANICS (FALL ONLY)	3
PHED	3318	SPORT SOCIAL PSYCHOLOGY	2
PHED	3323	EARLY PSYCHOMOTOR CURRICULUM	3
PHED	3325	PSYCHOMOTOR ANALYSIS LAB	3
PHED	3343	ADAPTED PHYSICAL EDUCATION ACTIVITIES (SPRING ONLY)	2
PHED	2241	GYMNASTICS AND DANCE	2
-OR-			
RECR	1146	FOLK AND SQUARE DANCE	2
PHED	1100	FITNESS & WELLNESS	2
PHED	4431	METHODS AND MATERIALS IN TEACHING HEALTH AND PHYSICAL EDUCATION	3
SAFE	2200	ACCIDENT ANALYSIS & EMERGENCY CARE	2

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

SCIE	1000	HUMAN BIOLOGY	4
ENGL	1104	WRITTEN ENGLISH I	3
MATH	1107	FUNDAMENTAL CONCEPTS OF MATH	3
INFO	1100	COMP. CONCEPTS AND APP.	3
PHED	1121	INTRODUCTORY SEMINAR IN HUMAN MOVEMENT	2
2ND FIELD REQUIREMENT			3
			18

FRESHMAN SECOND SEMESTER

GENERAL STUDIES-SCIENTIFIC DISCOVERY			4
ENGL	1108	WRITTEN ENGLISH II	3
COMM	2201	INTRO. TO GROUP DISCUSSION	3
2ND FIELD REQUIREMENT			2
*PHED	1100	FITNESS & WELLNESS	2

Select one of the following:

RECR	1146	FOLK AND SQUARE DANCE	2
-OR-			
PHED	2241	GYMNASTICS AND DANCE	2

Select one of the following:

PHED	2234	INDIV. & DUAL SPORTS I	2
-OR-			
PHED	2235	TEAM SPORTS I	2
-OR-			
PHED	2236	TEAM SPORTS II	2
-OR-			
PHED	2239	INDIV. DUAL SPORTS II	2
-OR-			
PHED	2240	OUTDOOR LEISURE ACTIVITIES	2
			18

SUMMER

GENERAL STUDIES CIV. ELECTIVE			3
GENERAL STUDIES CIV. ELECTIVE			3
PSYC	1101	INTRO. TO PSYCHOLOGY	3
			9

SOPHOMORE FIRST SEMESTER

PHED	2211	ANATOMY & PHYSIOLOGY	4
EDUC	2200	INTRO TO EDUCATION	3
EDUC	2220	INTRO. TO SPECIAL EDUCATION	3
2ND FIELD REQUIREMENT			3
SAFE	2200	ACCIDENT ANALYSIS & EMERGENCY CARE	2

Select one of the following:

PHED	2232	BASIC AQUATICS	2
-OR-			
PHED	2233	ADVANCED AQUATICS/LIFEGUARDING	2

Select one from following:

PHED	2234	INDIVIDUAL & DUAL SPORTS I	2
PHED	2235	TEAM SPORTS I	2
PHED	2236	TEAM SPORTS II	2
PHED	2239	INDIVIDUAL & DUAL SPORTS II	2
PHED	2240	OUTDOOR LEISURE ACTIVITIES	2
			19

SOPHOMORE SECOND SEMESTER

SOCY	1110	INTRODUCTORY SOCIOLOGY	3
PHED	3312	PHYSIOLOGY OF EXERCISE	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
PHED	2223	EVALUATION OF INSTRUCTION IN SPORT	2
2ND FIELD REQUIREMENT			3

Select two from following:

PHED	2234	INDIVIDUAL DUAL SPORTS I	2
PHED	2235	TEAM SPORTS I	2
PHED	2236	TEAM SPORTS II	2
PHED	2239	INDIVIDUAL & DUAL SPORTS II	2
PHED	2240	OUTDOOR LEISURE ACTIVITIES	2
			18

JUNIOR FIRST SEMESTER

PHED	3313	BIOMECHANICS	3
PHED	3323	EARLY PSYCHOMOTOR CURRICULUM	3
2ND FIELD REQUIREMENT			3
2ND FIELD REQUIREMENT			3
EDUC	2202	HUMAN GROWTH & DEVELOPMENT	3
EDUC	2202L	CLINICAL EXPERIENCE I	1
PHED	3318	SPORTS SOCIAL PSYCHOLOGY	2
			18

JUNIOR SECOND SEMESTER

PHED	3325	PSYCHOMOTOR ANALYSIS LAB	3
PHED	3343	ADAPTED PHYSICAL EDUC. ACTIVITIES	2
2ND FIELD REQUIREMENT			3
EDUC	3331	READING IN THE CONTENT AREAS	3
GENERAL STUDIES-ART ELECTIVE			3

Select two from the following:

PHED	2234	INDIVIDUAL DUAL SPORTS I	2
PHED	2235	TEAM SPORTS I	2
PHED	2236	TEAM SPORTS II	2
PHED	2239	INDIVIDUAL & DUAL SPORTS II	2
PHED	2240	OUTDOOR LEISURE ACTIVITIES	2
			18

SENIOR FIRST SEMESTER

PHED	4431	METHODS & MATERIALS IN TEACHING HEALTH & PE	3
2ND FIELD REQUIREMENT			3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	INCLUSIVE CLASSROOM PRACTICES (CLINICAL I)	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	EDUCATIONAL PSYCHOLOGY (CLINICAL II)	1
GENERAL STUDIES-CIV. ELECTIVE			3
			17

EDUC 3351 AND 3352 ALONG WITH CLINICALS MUST BE TAKEN THE SEMESTER PRIOR TO STUDENT TEACHING.

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY/PRE-K-ADULT STUDENT TEACHING	8
			12

OUTDOOR RECREATION LEADERSHIP (MINOR ONLY)

The curriculum of this minor provides a foundation of recreation philosophy, principles and objectives. Field experiences, which are designed to provide practical experience in a variety of recreational settings with various clientele, are included. Elective classes in adventure sports, outdoor recreation, and aquatic activities are provided.

MINOR IN OUTDOOR RECREATIONAL LEADERSHIP ....24 SEM. HRS.

Required Courses (20 hrs.)

RECR	1141	INTRODUCTION TO RECREATION	3
RECR	1150	INTRODUCTION TO ROCK CLIMBING	2
RECR	1151	BACKCOUNTRY LIVING SKILLS	2
SAFE	2200	ACCIDENT ANALYSIS & EMERGENCY CARE	2
RECR	2220	PROGRAM PLANNING AND ORGANIZATION	3
RECR	2250	SELECT TOPICS IN CERTIFICATIONS	2
RECR	3330	GROUP LEADERSHIP	3
RECR	3340	INTERNSHIP/CAMP ADMINISTRATION	3

Electives (4 hrs.)
(Choose one course from each group.)

GROUP I

RECR	1178	SCUBA DIVING "OPEN WATER CERTIFICATION	2
PHED	2232	BASIC AQUATICS	2
PHED	2233	ADVANCED AQUATICS-LIFEGUARDING	2
PHED	3381	WATER SAFETY INSTRUCTORS	2

GROUP II

RECR	1154	RECREATION FIELD WORK 1	2
RECR	1177	INTRODUCTION TO ADVENTURE WATER SPORTS	2
RECR	1188	INTRODUCTION TO WINTER SPORTS	2
RECR	1199	SPECIAL TOPICS IN RECREATION	1-6
PHED	3342	FIELD EXPERIENCE IN ADAPTED PHYSICAL EDUCATION	2-4
PHED	3365	ACTIVITIES IN OUTDOOR EDUCATION	1-3
PHED	3366	FIELD EXPERIENCE IN OUTDOOR EDUCATION	1-3

SPORT COACHING

This sequence of courses in Sport Coaching is designed to meet the need in the secondary schools for qualified athletic coaches. It is NOT a B.S. major or minor program, nor is it a separate certificate teaching degree program.

- Course Requirements ....15 SEM. HRS.

PHED	3355	SCIENTIFIC FOUNDATIONS OF SPORT COACHING	4
PHED	3356	ADMINISTRATION & COACHING OF SPORT	3
PHED	3357	MEDICAL/LEGAL ASPECTS OF SPORT COACHING	2
PHED	3358	TECHNIQUES OF SPORT COACHING	6

NUTRITION (MINOR ONLY)

MINOR IN NUTRITION ....19 SEM. HRS.

Required Courses (13-17hrs.)

BIOL	1170	ANATOMY & PHYSIOLOGY	4
-OR-			
PHED	2211	ANATOMY & PHYSIOLOGY	4
** SCIE	1000	HUMAN BIOLOGY-PREREQUISITE FOR PHED 2211	4
FOSM	1110	NUTRITION	3
FOSM	2200	INTRODUCTION TO FOODS	3
FOSM	2220	DIET THERAPY	3

Electives (6 hours)

FOSM	1120	NUTRITION IN CHILDHOOD & ADOLESCENCE	3
*FOSM	1150	SPORTS NUTRITION	3
FOSM	2250	APPLICATIONS IN COMMUNITY & MEDICAL NUTRITION	3

FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences is the study of interrelated areas which prepare individuals for various professional careers. The BS in Family and Consumer Sciences, as well as the BA in Education, are degrees granted from programs which include the arts and the sciences. The programs focus on improving the quality of life for the individual and for the family. A broad-based curriculum addresses the needs of individuals and families through education in the areas of clothing and textiles, human development and the family, foods and nutrition, management in the family and consumer economics, and housing and home furnishings. Family and Consumer Sciences provide a strong interdisciplinary base to prepare individuals and families to meet the challenges of contemporary society.

Careers available for graduates of this program include human service in the community, in business (private and public), in extension, and in government. It also serves as a background degree for a student who desires to do graduate work and become a specialist in child development foods and nutrition, consumerism and management, clothing and textiles, housing and interior design, and fashion merchandising. The curriculum for the BS in Family and Consumer Sciences, which includes the related associate degree, offers specializations in:

Family and Consumer Specialist
Child Development
Fashion Merchandising
Hospitality and Restaurant Management
Interior Design

BACHELOR OF SCIENCE IN FAMILY & CONSUMER SCIENCES ....128 SEM. HRS.

Family & Consumer Specialist	62 SEM. HRS.
General Studies Requirements	44 SEM. HRS.
Free Electives/Minor	22 SEM. HRS.

- Family & Consumer Specialist......................128 SEM. HRS.

Required Courses 62 sem. hrs.

APPD	1101	PRINCIPLES OF CLOTHING CONSTRUCTION	3
APPD	1103	CLOTHING AND CULTURE	3
APPD	2210	TEXTILES	3
APPD	2250	DESIGN IN HOME FURNISHINGS	3
FACS	3300	FACS PROFESSION	3

FACS	3310	FAMILY LIFE EDUCATION	3
FACS	3312	CONSUMER ECONOMICS	3
FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS	3318	MANAGEMENT PROBLEMS OF THE FAMILY	3
FACS	3320	HOUSING IN SOCIETY	3
FACS	3330	GROWTH & DEV. OF YOUNG CHILDREN	3
FACS	3331	ADOLESCENT DEVELOPMENT	3
FACS	3335	PARENTING	3
FACS	4402	FACS SEMINAR	3
FACS	4493	PROFESSIONAL INTERNSHIP	4
FOSM	1110	NUTRITION	3
FOSM	1121	FOOD SERV. FAC. & EQUIPMENT	3
FOSM	1122	SAFETY & SANITATION	2
FOSM	2201	PRINCIPLES OF FOOD SELECTION & PREP.*	3
FOSM	2202	PRINCIPLES OF QUANTITY FOOD PROD.*	3
FOSM	2203	PRINCIPLES OF FOOD SEL. & PREP. LAB*	1
FOSM	2204	PRINCIPLES OF QUANTITY FOOD PROD. LAB*	1

**Consult prerequisites*

Electives/Minor (22 hrs.)

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

APPD	1103	CLOTHING AND CULTURE	3
ENGL	1104	WRITTEN ENGLISH I	3
G.S. ART. (ART, MUSI, THEA, OR INTR 1120)			3
FACS	3300	FACS PROFESSION	3
FOSM	1121	FOOD SERV. FAC.	3
			15

FRESHMAN SECOND SEMESTER

APPD	1101	PRINCIPLES OF CLOTHING CONSTRUCT.	3
FOSM	1122	SAFETY & SANITATION	2
ENGL	1108	WRITTEN ENGLISH II	3
INFO	1100	COMPUTER CONCEPTS & APPL.	3
G.S. ART			3
FREE ELECTIVE			3
			17

SOPHOMORE FIRST SEMESTER

FACS	3310	FAMILY LIFE EDUC.	3
FOSM	1110	NUTRITION	3
G.S. SCIENCE			4
G.S. HUM.			3
COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
			16

SOPHOMORE SECOND SEMESTER

APPD	2250	DESIGN IN HOME FURNISHINGS	3
APPD	2210	TEXTILES	3
G.S. MATH			3
G.S. HUM.			3
G.S. SCIENCE			4
			16

JUNIOR FIRST SEMESTER

FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS	3320	HOUSING IN SOCIETY	3
FOSM	2201	PRIN. FOOD SELECTION	3
FOSM	2203	PRIN. FOOD SELECTION LAB	1
G.S. CIV.			3
FREE ELECTIVE			3
			16

JUNIOR SECOND SEMESTER

FACS	3318	MANAGEMENT PROBLEMS IN FAMILY	3
FACS	3330	GROWTH & DEV. YOUNG CHILDREN	3
FACS	3331	ADOL. DEV.	3
FOSM	2202	PRIN. OF QUANTITY FOOD	3
FOSM	2204	PRIN. OF QUANTITY FOOD LAB	1
G.S. CIV			3
			16

SENIOR FIRST SEMESTER

FACS	4402	FACS SEMINAR	3
G.S. CIV.			3
FREE ELECTIVES			10
			16

SENIOR SECOND SEMESTER

FACS	3312	CONSUMER ECONOMICS	3
FACS	3335	PARENTING	3
FACS	4493	PROFESSIONAL INTERNSHIP	4
FREE ELECTIVES			6
			16

CHILD DEVELOPMENT

The Family and Consumer Sciences Bachelor of Science Degree with a Child Development Specialization at Fairmont State University is a 2+2 program in collaboration with Pierpont Community & Technical College. Students who complete the associate's degree in Applied Design may continue through the University to complete the degree without loss of credit. It includes the study of the growth and development of young children as well as planning, preparation and implementation of appropriate curriculum for quality early childhood educational programs. Students have the opportunity to gain practical experience working with children at the campus Laboratory Preschool and in early childhood programs within the community. The outstanding laboratory preschool has a quality program that meets the guidelines set by the National Association for the Education of Young Children and is licensed by the West Virginia Department of Health and Human Resources. The child development specialization has a clinical and internship to allow the students supervisory and director experiences for the bachelor program. This program prepares individuals to work as directors in child care facilities, Head Start Centers, and private preschools or nursery schools and as professionals in the field of child development. Other employment opportunities include positions in public and private organizations providing services and assistance to families and children.

BACHELOR OF SCIENCE IN FAMILY & CONSUMER SCIENCES	130 SEM. HRS.
AAS Degree, Early Childhood	65 SEM. HRS.
Child Development Specialization	33 SEM. HRS.
General Studies Requirements	32 SEM. HRS.

- Child Development Specialization..................33 SEM. HRS.

FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS	3335	PARENTING	3
FACS	3383	SOCIAL & EMOTIONAL DEVELOP OF CHILD	3
FACS	4402	FACS SEMINAR	3
FACS	4493	PROFESSIONAL INTERNSHIP	4
RELATED FIELD FREE ELECTIVES			17

Recommended Electives

APPD	1101	PRINCIPLES OF CLOTHING CONSTRUCTION	3
APPD	1103	CLOTHING AND CULTURE	3
APPD	2210	TEXTILES	3
APPD	2250	DESIGN IN HOME FURNISHINGS	3
FACS	3310	FAMILY LIFE EDUCATION	3
FACS	3312	CONSUMER ECONOMICS	3
FACS	3318	MANAGEMENT PROBLEMS OF THE FAMILY	3
FACS	3320	HOUSING IN SOCIETY	3
FACS	3330	GROWTH & DEV. OF YOUNG CHILDREN	3
FACS	3331	ADOLESCENT DEVELOPMENT	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

EC	1106	HEALTH AND SAFETY IN EC PROGRAMS	2
EC	1130	FOUNDATIONS OF EC	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APPLS.	3
HUSV	1103	COMMUNITY SERVICE LEARNING	1
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
			15

FRESHMAN SECOND SEMESTER

EC	1105	DEVELOPMENT OF YOUNG CHILDREN	3
EC	1107	EC CURRICULUM	3
ENGL	1108	WRITTEN ENGLISH II	3
FOSM	1120	NUTRITION IN CHILDHOOD & ADOL.	3
INTR	2200	RACE, CLASS AND GENDER IN POP CLTR	3
			15

SOPHOMORE FIRST SEMESTER

EC	2230	CLASSROOM STRATEGIES	3
EC	2232	EC PRACTICUM I	3
EC	2240	INFANT TODDLER DEVELOPMENT AND CARE	3
EC	2283	COGNITIVE DEVELOPMENT	3
EDUC	2220	INTRO. TO SPECIAL EDUCATION	3
FOSM	2200	INTRO. TO FOODS	3
			18

SOPHOMORE SECOND SEMESTER

EC	2206	THE CHILD IN THE FAMILY	3
EC	2231	ADMINISTRATION OF PROGRAMS	3
EC	2995	EC PRACTICUM II	4
LIBS	2209	LIBRARY MATERIALS FOR CHILDREN	3
G.S. ELECTIVE			3
			16

JUNIOR FIRST SEMESTER

FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS ELECTIVE			3
G.S. ART. (ART, MUSI, THEA, OR INTR 1120)			3
G.S. SCIENCE			4
COMM	2200 OR 2201 OR 2202	COMMUNICATION	3
			16

JUNIOR SECOND SEMESTER

FACS	3335	PARENTING	3
G.S. CIV.			3
G.S. HUM.			3
G.S. MATH			3
G.S. SCIENCE			4
			16

SENIOR FIRST SEMESTER

FACS	3383	SOC./EMOTIONAL DEV. OF CHILDREN	3
FACS	4402	FACS SEMINAR	3
FACS ELECTIVES			8
G.S. CIV.			3
			17

SENIOR SECOND SEMESTER

FACS	4493	PROFESSIONAL INTERNSHIP	4
FACS ELECTIVES			6
G.S. CIV.			3
G.S. ART.			3
			16

FASHION MERCHANDISING

The Family and Consumer Sciences Bachelor of Science Degree with a Fashion Merchandising Specialization at Fairmont State University is a 2 + 2 program in collaboration with Pierpont Community & Technical College. Students who complete the associate's degree in Applied Design may continue through the University to complete the degree without loss of credit. This articulation agreement has proven to be an excellent opportunity for students to further their study in Fashion Merchandising with additional courses in General Studies, Family and Consumer Sciences and a minor in Retail Management at Fairmont State University. Students completing the Bachelor's program can begin their professional careers as buyers, retail managers, visual merchandisers or fashion consultants and learn about business aspects of the industry such as advertising, marketing, and retail and wholesales sales, fashion reporting, and other textile- and clothing-related positions.

BACHELOR OF SCIENCE IN FAMILY & CONSUMER SCIENCES	131 SEM. HRS.
AAS Degree, Applied Design	65 SEM. HRS.
Fashion Merchandising Specialization	36 SEM. HRS.
General Studies Requirements	29 SEM. HRS.

- Fashion Merchandising Specialization............36 SEM. HRS.

BUSN	3320	INTERNATIONAL BUSINESS	3
ECON	2201	ECONOMIC PRINCIPLES AND PROBLEMS I	3
FACS	4402	FACS SEMINAR	3
FACS	4493	PROFESSIONAL INTERNSHIP	4
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
MKTG	2204	PRINCIPLES OF MARKETING	3
MKTG	2205	SALESMANSHIP & SALES MANAGEMENT	3
MKTG	3305	SUPPLY CHAIN MANAGEMENT	3
MKTG	3320	ADVERTISING & SALES PROMOTION	3
RELATED FIELD FREE ELECTIVES			8

Recommended Electives

APPD	2250	DESIGN IN HOME FURNISHINGS	3
FACS	3310	FAMILY LIFE EDUCATION	3
FACS	3312	CONSUMER ECONOMICS	3
FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS	3318	MANAGEMENT PROBLEMS OF THE FAMILY	3
FACS	3320	HOUSING IN SOCIETY	3
FACS	3330	GROWTH & DEV. OF YOUNG CHILDREN	3
FACS	3331	ADOLESCENT DEVELOPMENT	3
FOSM	1110	NUTRITION	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

APPD	1115	INTRO. TO THE FASHION INDUSTRY	3
APPD	1116	HISTORY OF CONTEMPORARY FASHION	3
APPD	1151	DESIGN CONCEPTS	3
ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APPLS.	3
			15

FRESHMAN SECOND SEMESTER

APPD	1101	PRINCIPLES OF CLOTHING CONSTRUCT.	3
APPD	1102	APPAREL DESIGN	3
APPD	2210	TEXTILES	3
BUSN	1102	INTRO. TO BUSINESS	3
ENGL	1108	WRITTEN ENGLISH II	3
G.S.	ART.	(ART, MUSI, THEA, OR INTR 1120)	3
			18

SOPHOMORE FIRST SEMESTER

APPD	1103	CLOTHING AND CULTURE	3
APPD	2995	APPLIED DESIGN PRACTICUM	4
BUSN	1141	BUSINESS MATHEMATICS	3
GRAP	ELECTIVE		3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
			16

SOPHOMORE SECOND SEMESTER

APPD 2217 VISUAL MERCHANDISING	3
APPD 2202 ADVANCED APPAREL DESIGN	4
-OR-	
APPD 2295 GUIDED DESIGN SEMINAR	4
BUSN 2205 SMALL BUSINESS FUNDAMENTALS	3
BUSN 2251 CORPORATE COMMUNICATIONS	3
GRAP ELECTIVE	3
	16

JUNIOR FIRST SEMESTER

ECON 2201 ECONOMIC PRINCIPLES & PROBS.	3
G.S. CIV.	3
G.S. SCIENCE	4
MKTG 2204 PRINCIPLES OF MARKETING	3
COMM 2200 OR 2201 OR 2202 COMMUNICATION	3
	16

JUNIOR SECOND SEMESTER

FACS ELECTIVE	3
FIELD ELECTIVE	3
G.S. MATH	3
G.S. SCIENCE	4
MKTG 3305 SUPPLY CHAIN MANGAGEMENT	3
	16

SENIOR FIRST SEMESTER

FACS 4402 FACS SEMINAR	3
FACS ELECTIVE	3
BUSN 3320 INTERNATIONAL BUSINESS	3
FIELD ELECTIVE	3
G.S. CIV.	3
MKTG 2205 SALESMANSHIP & SALES MGMT.	3
	16

SENIOR SECOND SEMESTER

FACS 4493 PROFESSIONAL INTERNSHIP	4
FACS ELECTIVE	3
G.S. CIV.	3
MGMT 3308 HUMAN RESOURCE MANAGEMENT	3
MKTG 3320 ADVERTISING & SALES PROMOTION	3
FIELD ELECTIVE	2
	18

INTERIOR DESIGN

The Family and Consumer Sciences Bachelor of Science Degree with an Interior Design Specialization at Fairmont State University is a 2 + 2 program in collaboration with Pierpont Community & Technical College. Students who complete the associate's degree in Applied Design may continue through the University to complete the degree without loss of credit. This articulation agreement has proven to be an excellent opportunity for students to further their study in Interior Design with additional courses in General Studies, architectural design, Family and Consumer Sciences, and advanced AutoCAD at Fairmont State University. The student chapter of ASID (American Society of Interior Designers) at Pierpont Community & Technical College offers additional development experiences for students who want to pursue professional certification. This program, at both the associate and bachelor levels, meets all academic requirements for ASID professional registration. Students completing the Bachelor's program can begin their professional careers in residential and/or commercial design work. Students have various opportunities to explore and apply principles and elements of interior design and to create functional and aesthetic interior environments.

BACHELOR OF SCIENCE IN FAMILY & CONSUMER SCIENCES	129 SEM. HRS.
AAS Degree, Applied Design	64 SEM. HRS.
Interior Design Specialization	36 SEM. HRS.
General Studies Requirements	29 SEM. HRS.

- Interior Design Specialization.........................36 SEM. HRS.

APPD 3375 PROFESSIONAL PRACT IN APPLIED DESIGN	4
ARCH 1160 ARCHITECTURAL HISTORY II	3
ARCH 2200 GRAPHICS	3
ARCH 2210 DESIGN I	4
ARCH 2250 DESIGN II	4
ARCH OR DRFT ELECTIVE	3
FACS 3320 HOUSING IN SOCIETY	3
FACS 4402 FACS SEMINAR	3
RELATED FIELD FREE ELECTIVES	9

Recommended Electives

APPD 1101 PRINCIPLES OF CLOTHING CONSTRUCTION	3
APPD 1103 CLOTHING AND CULTURE	3
FACS 3310 FAMILY LIFE EDUCATION	3
FACS 3312 CONSUMER ECONOMICS	3
FACS 3315 MANAGEMENT OF THE FAMILY	3
FACS 3318 MANAGEMENT PROBLEMS OF THE FAMILY	3
FACS 3330 GROWTH & DEV. OF YOUNG CHILDREN	3
FACS 3331 ADOLESCENT DEVELOPMENT	3
FOSM 1110 NUTRITION	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

APPD 1140 INTRO. TO INTERIOR DESIGN	3
APPD 1151 DESIGN CONCEPTS	3
BUSN 1102 INTRO. TO BUSINESS	3
ENGL 1104 WRITTEN ENGLISH I	3
INFO 1100 COMPUTER CONCEPTS & APPLS.	3
	15

FRESHMAN SECOND SEMESTER

APPD 2210 TEXTILES	3
APPD 2250 DESIGN IN HOME FURNISHINGS	3
DRFT 2200 FUNDAMENTALS OF CAD	3
ENGL 1108 WRITTEN ENGLISH II	3
SOCY 1110 INTRODUCTORY SOCIOLOGY	3
	15

SOPHOMORE FIRST SEMESTER

APPD 2240 RESIDENTIAL DESIGN	4
APPD 2995 APPLIED DESIGN PRACTICUM	4
ARCH 1130 ARCHITECTURAL HISTORY I	3
BUSN 1141 BUSINESS MATHEMATICS	3
DRFT 2215 ARCHITECTURAL DRAFTING	4
	18

SOPHOMORE SECOND SEMESTER

APPD 2217 VISUAL MERCHANDISING	3
APPD 2260 CONTRACT DESIGN	4
BUSN 2205 SMALL BUSINESS FUNDAMENTALS	3
DRFT 2245 ARCHITECTURE DESIGN	3
G.S. ART. (ART, MUSI, THEA, OR INTR 1120).	3
	16

JUNIOR FIRST SEMESTER

ARCH ELECTIVE	3
G.S. CIV.	3
G.S. HUM.	3
G.S. SCIENCE	4
COMM 2200 OR 2201 OR 2202 COMMUNICATION	3
	16

JUNIOR SECOND SEMESTER

ARCH	1160	ARCHITECTURAL HISTORY II	3
ARCH	2200	GRAPHICS	3
G.S. ART.			3
G.S. MATH			3
G.S. SCIENCE			4
			16

SENIOR FIRST SEMESTER

FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS	3320	HOUSING IN SOCIETY	3
FACS	4402	FACS SEMINAR	3
ARCH	2210	DESIGN I	4
G.S. CIV.			3
			16

SENIOR SECOND SEMESTER

APPD	3375	PROF PRACTICE IN APPLIED DESIGN	4
ARCH	2250	DESIGN II	4
FACS ELECTIVE			3
FACS ELECTIVE			3
G.S. CIV.			3
			17

FAMILY AND CONSUMER SCIENCES EDUCATION

The Family and Consumer Sciences (FACS) Education is a Comprehensive 5-Adult BA in Education Degree. It is a discipline with five areas of study within the major. They are Clothing and Textiles, Human Development and the Family, Foods and Nutrition, Management and Consumer Economics, and Housing and Furnishings.

FACS is an area of education that is vitally needed in the school systems. By assisting middle and secondary students with life skills, management, parenting, nutrition, clothing, housing, and culture, this field helps individuals, families, and communities to grow and be a productive member of society. This field is very rewarding because you deal with all aspects and components of the family. Because each day is different and the adolescents need to be assisted in their life choices and future personal lives, it becomes a very involved, challenging, and extensive area to teach.

Family and Consumer Sciences have a large variety of career opportunities for individuals. An individual can expand the areas of interest and find many different types of careers. The career may be as a teacher in a formal classroom from the 5 grade to adult. The career may also be outside the classroom in business, industry, or education. The following career titles are just a few of the many areas one could pursue for one's life work. The careers are:

Teacher
Designer
Manager
Sales Personnel
Visual Artist
Fashion Apparel
Consumer Specialist
Chef
Food Scientist
Extension Agent
Child Development Director

BACHELOR OF ARTS IN EDUCATION - COMPREHENSIVE FAMILY & CONSUMER SCIENCES GRADES 5-ADULT .... 131 SEM. HRS.

Family & Consumer Sciences Education	51 SEM. HRS.
General Studies Requirements	45 SEM. HRS.
Professional Education Courses	36 SEM. HRS.

- Family & Consumer Sciences Education .... 131 SEM. HRS.

APPD	1101	PRINCIPLES OF CLOTHING CONSTRUCTION	3
APPD	1103	CLOTHING AND CULTURE	3
APPD	2250	DESIGN IN HOME FURNISHINGS	3
FACS	3300	FACS PROFESSION	3
FACS	3310	FAMILY LIFE EDUCATION	3
FACS	3312	CONSUMER ECONOMICS	3
FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS	3318	MANAGEMENT PROBLEMS OF THE FAMILY	3
FACS	3320	HOUSING IN SOCIETY	3
FACS	3330	GROWTH & DEV. OF YOUNG CHILDREN	3
FACS	3331	ADOLESCENT DEVELOPMENT	3
FACS	3332	CHILD DEVELOPMENT PROBLEMS	3
FACS	3335	PARENTING	3
FACS	4402	FACS SEMINAR	3
FACS	4431	METHODS & MATERIALS IN TEACHING FAMILY AND CONSUMER SCIENCES	3
FOSM	1110	NUTRITION	3
FOSM	2200	INTRO. TO FOODS	3

MINOR IN FAMILY AND CONSUMER SCIENCES .... 22 SEM. HRS.

APPD	1103	CLOTHING AND CULTURE	3
FACS	3310	FAMILY LIFE EDUCATION	3
FACS	3312	CONSUMER ECONOMICS	3
FACS	3320	HOUSING IN SOCIETY	3
FACS	3330	INTRO TO PRESCHOOLER DEVELOPMENT	3
FOSM	1110	NUTRITION	3
FOSM	2201	PRINCIPLES OF FOOD SELECTION & PREP.*	3
FOSM	2203	PRINCIPLES OF FOOD SEL. & PREP. LAB*	1

**Consult prerequisites*

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

APPD	1103	CLOTHING AND CULTURE	3
FACS	3300	FACS PROFESSION	3
ENGL	1104	WRITTEN ENGLISH I	3
G.S. ART.		(ART, MUSI, THEA, OR INTR 1120)	3
G.S. SCIENCE			4
			16

FRESHMAN SECOND SEMESTER

APPD	1101	PRINCIPLES OF CLOTHING CONSTRUCT.	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
ENGL	1108	WRITTEN ENGLISH II	3
G.S. ART.			3
G.S. HUM.			3
INFO	1100	COMP. CONCEPTS AND APP.	3
			18

SOPHOMORE FIRST SEMESTER

FACS	3310	FAMILY LIFE EDUCATION	3
FOSM	2200	INTRODUCTION TO FOODS	3
COMM	2200	INTRODUCTION TO HUMAN COMM	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
G.S. SCIENCE			4
			16

SOPHOMORE SECOND SEMESTER

APPD	2250	DESIGN IN HOME FURNISHINGS	3
FACS	3330	GROWTH & DEV. OF YOUNG CHILDREN	3
FOSM	1110	NUTRITION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
G.S. HUM			3
G.S. MATH			3
			18

JUNIOR FIRST SEMESTER

FACS	3315	MANAGEMENT OF THE FAMILY	3
FACS	3320	HOUSING IN SOCIETY	3
G.S. CIV.			3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
FACS	3332	CLD DEV. PROB	3
			16

JUNIOR SECOND SEMESTER

FACS	3312	CONSUMER ECONOMICS	3
FACS	3318	MANAGEMENT PROBLEMS OF FAMILY	3
FACS	3331	ADOLESCENT DEVELOPMENT	3
FACS	3335	PARENTING	3
EDUC	3331	READING IN THE CONTENT AREAS	3
G.S. CIV.			3
			18

SENIOR FIRST SEMESTER

FACS	4402	FACS SEMINAR	3
FACS	4431	METHODS/MAT IN TEACH FACS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	ICP LAB	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL II	1
G.S. CIV			3
			17

SENIOR SECOND SEMESTER

EDUC	3395	SEC. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SEC./PRE-K-ADULT STUDENT TEACH	8
			12

School of Fine Arts

Peter Lach, Dean
304 Wallman Hall / (304) 367-4219
plach@fairmontstate.edu

FACULTY

BENNETT, MARY LYNNE (2003)
Associate Professor of Music
Graduate Faculty

BOGGESS, JENNIFER H. (2002)
Associate Professor of Art

CAMPBELL, IRONDA (2004)
Assistant Professor of Academic Studies-Communication

EDWARDS, CONSTANCE (2005)
Assistant Professor of Music

GREENHAM, JEFF S. (2006)
Assistant Professor of Art

HOLLINGER, MARIAN J. (2007)
Temporary Assistant Professor of Art

HUFFMAN, VALARIE A. (2003)
Director of Bands
Associate Professor of Music

INGMAN, JEFFREY (2006)
Assistant Professor of Theatre

KIRK, FRANCENE (2000)
Associate Professor of Communication and Theatre

LACH, PETER (2002)
Professor of Theatre

MILD, ROBERT (1988)
Professor/Senior Level: Communication

O'CONNOR, JOHN E. (1998)
Professor of Theatre

PATTERSON, ANNE L. (2004)
Professor of Music

RICHARDS, AIMEE (2006)
Temporary Assistant Professor of Communication
Debate Coach

SCHOOLEY, JOHN H. (1970)
Professor of Music

SNYDER, R. BARRY (1967)
Professor of Art

SNYDER, TROY (2004)
Associate Professor of Theatre

SPEARS, SAMUEL (2009)
Assistant Professor of Music

YERDON, JENNIFER (2007)
Assistant Professor of Art

All programs in Art, Music, and Communication and Theatre have a strong performance orientation. Students earning a major in these areas of study must periodically demonstrate, through public performance, mastery of concepts and content studied.

ADMISSION TO SCHOOL OF FINE ARTS DEGREE PROGRAMS

Entering students in the School of Fine Arts are assigned one of the following major codes:

Pre-Art
Pre-Communication
Pre-Music
Pre-Theatre

For admission to B.A. degree programs in the School of Fine Arts, students must:

Pass an end of sophomore year jury or portfolio review;
Maintain a 2.0 overall GPA; and,
Earn a "C" or better in every course for the major.

Students continuing in School of Fine Arts degree programs have a graduation requirement of a 2.0 overall GPA and, in addition, must earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

ART

The Fairmont State University Department of Art provides a program of study for the preparation of teachers in the visual arts, leading to the B.A. degree in Education, a Graphics/Fine Arts program, a B.A. degree in Studio Art, and minors in studio art and art history. The art curriculum and activities are designed to provide the highest level of professional education for the art teacher, the creative artist and the scholar of the arts, and to play a major role in the cultural life of the college campus and the community. Courses marked with an asterisk must be completed before admission to the Initial Performance Practicum.

Entering students in the Department of Art are assigned a Pre-Art major code. For admission to B.A. degree programs in the School of Fine Arts, students must:

- Pass an end of sophomore year jury or portfolio review;
- Maintain a 2.0 overall GPA; and,
- Earn a "C" or better in every course for the major.

Students continuing in the Department of Art degree programs have a graduation requirement of a 2.0 overall GPA and, in addition, must also earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

BACHELOR'S DEGREE IN ART EDUCATION: TEACHING SPECIALIZATION IN ART GRADES PRE K – ADULT ....141 SEM. HRS.

Art Curriculum (see below)............61 SEM. HRS.
General Studies Requirements............44 SEM. HRS.
Professional Education Courses............36 SEM. HRS.

- Art Curriculum............61 SEM. HRS.

Core Requirements

ART	1140	DESIGN I: 2-D	3
ART	1141	DESIGN II: 3-D	3
ART	1142	DRAWING I: FOUNDATIONS OF DRAWING	3
ART	2245	E. FOUNDATIONS	3
ART	2241	DRAWING II: DRAWING FROM LIFE	3
ART	2261	PAINTING I: FOUNDATIONS OF PAINTING	3
ART	2283	SCULPTURE I: FOUNDATIONS OF SCULPTURE	3

Art History Requirements

ART	3374	ART HISTORY FROM PREHISTORY TO 1450	3
ART	3376	ART HISTORY FROM 1450 TO 1750	3
ART	3378	ART HISTORY FROM 1750 TO 1950	3
ART	3380	ART HISTORY SINCE 1950	3

Studio Requirements

ART	2262	PAINTING II	3
ART	2284	SCULPTURE II	3
ART	3341	PRINTMAKING I	3
ART	3363	INTERMEDIATE WATER MEDIA	3
ART	3383	POTTERY I	3
ART	3384	POTTERY II	3

Art Education Requirements

ART	3355	PROBLEMS IN TEACHING ART I	2
ART	3356	PROBLEMS IN TEACHING ART II	2
ART	4431	METHODS AND MATERIALS IN TEACHING ART	3
ART	4471	CAPSTONE EXPERIENCE IN ART	3

- Professional Education Requirements............36 SEM. HRS.

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2210	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY Ð CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREA	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY Ð CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY Ð CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECONDARY (PRE-K-ADULT) STUDENT TEACHING/CLINICAL III	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ART	1140	DESIGN I: 2-D	3
ART	1142	DRAWING I: FOUNDATIONS OF DRAWING	3
EDUC	2200	INTRO TO EDUCATION	3
ENGL	1104	WRITTEN ENGLISH I	3
G.S.	MATH		3
G.S.			3
			18

FRESHMAN SECOND SEMESTER

ART	1141	DESIGN II: 3-D	3
ART	2241	DRAWING II: DRAWING FROM LIFE	3
ART	2261	PAINTING I: FOUNDATIONS OF PAINTING	3
ENGL	1108	WRITTEN ENGLISH II	3
G.S.			3
G.S.			3
			18

SUMMER SESSION

G.S.			3

SOPHOMORE FIRST SEMESTER

ART	2283	SCULPTURE I	3
ART HISTORY			3
ART	2245	E.FOUNDATIONS	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
ENGLISH LIT			3
G.S.			3
			18

SOPHOMORE SECOND SEMESTER

ART	2283	SCULPTURE II	3
ART	2262	PAINTING II	3
ART HISTORY			3
EDUC	2202	HUMAN GROWTH & DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
ENGLISH LIT			3
G.S.			3
			19

JUNIOR FIRST SEMESTER

ART	3383	POTTERY I	3
ART HISTORY			3
EDUC	2220	INTRO TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
G.S. SCIENCE			4
G.S.			3
			19

JUNIOR SECOND SEMESTER

ART	3341	PRINTMAKING	3
ART	3355	PROBLEMS IN TEACHING ART I	2
ART	3384	POTTERY II	3
ART HISTORY			3
ART	3356	PROBLEMS IN TEACHING ART II	2
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY CLINICAL II	1
G.S.			3
			20

SENIOR FIRST SEMESTER

ART	3363	INTERMEDIATE WATER MEDIA	3
ART	4431	METHODS AND MATERIALS IN TEACHING ART	3
ART	4471	CAPSTONE EXPERIENCE IN ART	3
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY CLINICAL II	1
G.S.			4
			17

SENIOR SECOND SEMESTER

EDUC	3395	SEC. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SEC./PRE-K-ADULT STUDENT TEACH.	8
			12

GRAPHICS/FINE ARTS

This program incorporates technology to create images for commercial purposes. It merges traditional, contemporary, and theoretical courses in the School of Fine Arts with technical courses in the School of Science and Technology. The program culminates with a Bachelor of Science degree.

BACHELOR OF SCIENCE IN GRAPHICS/FINE ARTS

Graphics/Fine Arts Curriculum (see below)...64 SEM. HRS.
General Studies Requirements................ 41-42 SEM. HRS.
Electives .... 22-23 SEM. HRS.
Total Hour Required for Graduation............128 SEM HRS.

- Graphics/Fine Arts Curriculum ....64 SEM . HRS.

Core Requirements

ART	1140	DESIGN I: 2-D	3
ART	1141	DESIGN II: 3-D	3
ART	1142	DRAWING I: FOUNDATIONS OF DRAWING	3
ART	2245	E. FOUNDATIONS	3
ART	2261	PAINTING I: FOUNDATIONS OF PAINTING	3
ART	2283	SCULPTURE I: FOUNDATIONS OF SCULPTURE	3

Art History Requirements

ART	3378	ART HISTORY FROM 1750 TO 1950	3
ART	3380	ART HISTORY SINCE 1950	3

Studio Requirements

ART	3341	PRINTMAKING I	3
ART	3342	PRINTMAKING II	3
ART	3345	E. INTERMEDIATE	3

Graphics/Fine Arts Requirements

GRAP	1100	GRAPHICS COMMUNICATIONS PROCESSES	3
GRAP	1150	COMPUTER APPLICATIONS TO GRAPHICS	3
GRAP	2210	GRAPHICS METHODS AND MATERIALS	3
GRAP	2230	GRAPHIC DESIGN I	3
GRAP	2235	GRAPHIC DESIGN II	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
GRAP	2255	INTERNET ANIMATION	3
GRAP	2280	INTERNET PUBLISHING	3
GRAP	2995	GRAPHICS PRACTICUM	4
GRAP	3310	ADVANCED PHOTOGRAPHY	3

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ART	1140	DESIGN I: 2-D	3
ART	1142	DRAWING I: FOUNDATIONS OF DRAWING	3
ENGL	1104	WRITTEN ENGLISH I	3
G.S.	MATH		3
G.S.	INFO 1100		3
			15

FRESHMAN SECOND SEMESTER

ART	1141	DESIGN II: 3-D	3
ART	2261	PAINTING I	3
GRAP	1100	GRAPHICS COMMUNICATIONS PROCESSES	3
ENGL	1108	WRITTEN ENGLISH II	3
G.S.	COMM. 2200, 2201, OR 2202		3
			15

SOPHOMORE FIRST SEMESTER

ART	2283	SCULPTURE I	3
ART	2245	E.FOUNDATIONS	3
GRAP	1150	COMPUTER APPLICATIONS TO GRAPHICS	3
G.S.			3
ELECTIVE			3
			15

SOPHOMORE SECOND SEMESTER

ART	3341	PRINTMAKING I	3
GRAP	2210	GRAPHICS METHODS AND MATERIALS	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
G.S.			3
G.S.			3
ELECTIVE			3
			18

JUNIOR FIRST SEMESTER

ART			3
ART HISTORY			3
GRAP	2230	GRAPHIC DESIGN 1	3
GRAP	3310	ADVANCED PHOTOGRAPHY	3
G.S.	SCIENCE		4
			16

JUNIOR SECOND SEMESTER

ART	3345	E.INTERMEDIATE	3
ART HISTORY			3
GRAP	2235	GRAPHIC DESIGN II	3
G.S. SCIENCE			4
ELECTIVE			3
			16

SENIOR FIRST SEMESTER

GRAP	2280	INTERNET PUBLISHING	3
GRAP	2255	INTERNET ANIMATION	3
G.S.			3
G.S.			3
ELECTIVE			3
ELECTIVE			3
			18

SENIOR SECOND SEMESTER

ART	3342	PRINTMAKING II	3
GRAP	2995	GRAPHICS PRACTICUM	3
G.S.			3
ELECTIVE			3
ELECTIVE			3
			15

STUDIO ART

The Studio Art Program is designed for students who wish to concentrate on a specific studio discipline in the visual arts. The program requires a Foundations level of course work, which focuses on skill-building, exposure to various media, and art history. The Foundations level is followed by intense study in the chosen discipline. Three tracks are available: Drawing/Painting; Pottery/Sculpture; and Cross-Media. Additionally, the department offers an optional gallery management course. The program is appropriate for students who wish to work as independent artists, those who are interested in the M.A.T. with a concentration in Visual Art, and for those who wish to continue their education in Visual Art at the graduate level. Yearly portfolio reviews are required for acceptance to and continuation in the program.

BACHELOR'S DEGREE IN STUDIO ART 128
Minimum credit hours are listed for each section.
General Studies Requirements.............................. 42 HRS.

- Studio Art Core Requirements plus one track and electives........................... 45-51 SEM. HRS.

ART	1140	DESIGN I: 2-D	3
ART	1141	DESIGN II: 3-D	3
ART	1142	DRAWING I: FOUNDATIONS OF DRAWING	3
ART	2245	E. FOUNDATIONS	3
ART	2261	PAINTING I: FOUNDATIONS OF PAINTING	3
ART	2283	SCULPTURE I: FOUNDATIONS OF SCULPTURE	3

- Art History Requirements .... 12 CREDIT HOURS

ART	3374	ART HISTORY FROM PREHISTORY TO 1450	3
ART	3376	ART HISTORY FROM 1450-1750	3
ART	3378	ART HISTORY FROM 1750-1950	3
ART	3380	ART HISTORY SINCE 1950	3

Students Choose One Track of Concentration from the Following:

- Painting Track .... 21 SEM. HRS.

ART	2241	DRAWING II: DRAWING FROM LIFE	3
ART	2262	PAINTING II: PROBLEMS IN PAINTING	3
ART	3361	PAINTING III: INTERMEDIATE LANDSCAPE PAINTING	3
ART	3362	PAINTING IV: INTERMEDIATE FIGURE PAINTING	3
ART	3341	PRINTMAKING I	3
ART	4461	PAINTING V: ADVANCED LANDSCAPE PAINTING	3
-OR-			
ART	4462	PAINTING VI: ADVANCED FIGURE PAINTING	3
-OR-			
ART	4463	ADVANCED PAINTING CONCEPTS	3
-PLUS-			
ART	4471	CAPSTONE EXPERIENCE IN ART	3

- Pottery/sculpture Track ....21 SEM. HRS.

ART	2284	SCULPTURE II (FORMERLY MODELING AND SCULPTURE II)	3
ART	3383	POTTERY I	3
ART	3384	POTTERY II	3
ART	4464	POTTERY III	3
ART	4465	SCULPTURE III	3
ART	4467	AREA STUDIES I: SCULPTURE OR POTTERY	3
ART	4471	CAPSTONE EXPERIENCE IN ART	3

- Cross-media Track ....21 SEM. HRS.

The intent of this track is to allow students to design a curriculum that includes traditional and new media. Students will work with an advisor to gear choices to the nature of the work to be pursued.

In addition to courses included in the Foundations Curriculum, students may choose from 2-Dimensional and 3-Dimensional media courses in the Art Department and Graphics Department:

GRAP	1125	MULTIMEDIA CONCEPTS	3
GRAP	1150	COMPUTER APPLICATIONS TO GRAPHICS	3
GRAP	2240	PHOTOGRAPHY CONCEPTS	3
-PLUS-			
ART	3341	PRINTMAKING I	3
ART	3345	E. INTERMEDIATE	3
ART	4445	E. ADVANCED	3
ART	4472	VIRTUAL EXHIBITION	3

There are at least 35 credit hours of free-electives for Studio Art majors. Students must have 128 total credits to graduate.

Note: Please see prerequisites for all classes. Students who choose to take advanced Graphics classes may be required to complete prerequisites required by the Graphics Department. Some prerequisites may not apply toward credit in the Studio Art degree.

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
G.S. MATH			3
ART	1140	DESIGN I: 2D	3
ART	1142	DRAWING I: FOUNDATIONS OF DRAWING	3
G.S.			3
G.S.			3
			18

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
COMM	2200	INTRO TO HUMAN COMMUNICATION	3
ART HISTORY			3
ART	1141	DESIGN II: 3D	3
ART	2241	DRAWING II: DRAWING FROM LIFE	3
ART	2261	PAINTING I: FOUNDATIONS OF PAINTING	3
			18

SOPHOMORE FIRST SEMESTER

TRACK COURSE			3
ART HISTORY			3
ART	2283	SCULPTURE I: FOUNDATIONS OF SCULPTURE	3
G.S.			3
ENGL LIT.			3
ART ELECTIVE			3
			18

SOPHOMORE SECOND SEMESTER

TRACK COURSE			3
ART HISTORY			3
ART ELECTIVE			3
G.S.			3
ENGL LIT.			3
ART ELECTIVE			3
			18

JUNIOR FIRST SEMESTER

TRACK COURSE			3
ART HISTORY			3
G.S.			3
ART ELECTIVE			3
G.S.			3
			15

JUNIOR SECOND SEMESTER

TRACK COURSE			3
ART ELECTIVE			3
G.S.			3
ART ELECTIVE			3
ART ELECTIVE			3
			15

SENIOR FIRST SEMESTER

TRACK COURSE			3
G.S.			3
ART HISTORY			3
ART ELECTIVE			3
ART ELECTIVE			3
			15

SENIOR SECOND SEMESTER

TRACK COURSE			3
ART ELECTIVE			3
G.S.			3
ART ELECTIVE			3
ART	4471	SENIOR EXHIBIT	3
			15

MINOR IN ART ....18 SEM. HRS.
History of Art Courses ....6 SEM. HRS.
(Choose six hours of art courses.)
Studio Work Courses ....12 SEM. HRS.
(Choose 12 hours of studio work courses.)
(Pre-requisite required)

MINOR IN ART HISTORY ....18 SEM. HRS.

Required Courses (6 hrs.)

ART	1140	DESIGN I: 2D	3
ART	1142	FOUNDATIONS OF DRAWING	3

Select 12 hrs.

ART	2230	GALLERY MANAGEMENT	3-6
ART	3374	ART HISTORY FROM PREHISTORY TO 1450	3

ART	3376	ART HISTORY FROM 1450-1750	3
ART	3378	ART HISTORY FROM 1750-1950	3
ART	3380	ART HISTORY SINCE 1950	3

MUSIC

The Department of Music offers a minor in music for the Bachelor of Arts Degree and a Comprehensive (Pre K-Adult) Music major under the Bachelor of Arts in Education Degree. The degree programs are organized to provide a thorough background for a music teaching or other professional career in music. Major applied areas are offered in vocal, instrumental (strings, woodwinds, brass and percussion), piano, and organ. See the Department of Music Handbook for requirements of concert and recital attendance, applied levels, piano proficiency, ensemble participation, sophomore evaluation policy, senior recital procedure, instrument checkout policy, and model schedules.

The department provides excellent musical instruction for its students through a highly qualified professional staff of performing and teaching professors, a constantly improving and varied curriculum, and a series of sequential musical experiences and studies in all music degree programs. The department believes in exposing music students to many new and innovative educational and musical ideas as well as emphasizing the musical heritage of the past. Departmental organizations such as band, orchestra, choir, ensembles, stage band, and soloists participate regularly in productions, concerts, and activities of the college and have toured in West Virginia, the United States, and Europe.

Opportunities are provided for music students to attend numerous recitals, productions and other musical events on and off campus. Several professional and fraternal organizations are sponsored by the department, including a student chapter of Music Educators National Conference, American Choral Directors Association, Kappa Kappa Psi, and Sigma Alpha Iota.

The Department of Music is housed in Wallman Hall. It is well-equipped with musical instruments and materials, and its facilities include an electronic piano classroom, theory room, music education room, wired classrooms and a computer lab, instrumental and choral rehearsal rooms, 18 practice rooms with Smartmusic technology, nine studios and Wallman Hall Auditorium.

Entering students in the Department of Music are assigned a Pre-Music major code. For admission to B.A. degree programs in the School of Fine Arts, students must:

- Pass an end of sophomore year jury or portfolio review;
- Maintain a 2.0 overall GPA; and,
- Earn a "C" or better in every course for the major.

Students continuing in the Department of Music degree program have a graduation requirement of a 2.0 overall GPA and, in addition, must earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

MINOR IN MUSIC ....24 SEM. HRS.

Music minors are encouraged to enroll in applied lessons and ensembles for eight semesters. See the Department of Music Handbook for more information.

Required Courses (16 hrs.)

MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	0
MUSI	1104	FUNCTIONAL PIANO I	1
MUSI	1105	FUNCTIONAL PIANO II	1
MUSI	1109	COMPREHENSIVE THEORY	4
MUSI	1110	COMPREHENSIVE THEORY	4
MUSI	1139	VOICE CLASS	1
MUSI	2206	MUSIC APPREC. FOR MAJORS	3
MUSI	2245	FUNDAMENTALS OF CONDUCTING	2

Applied Lesson Instruction (4 hrs.)
Four semesters required. Select applied instrument or voice from the following:

MUSI	1107	PIANO	1
MUSI	1141	VOICE	1
MUSI	1175-1198	INSTRUMENT (SEE COURSES OF INSTRUCTION FOR INSTRUMENTS OFFERED)	1
MUSI	2200	VIOLIN	1
MUSI	2201	VIOLA	1
MUSI	2202	CELLO	1
MUSI	2203	BASS VIOLIN	1

Ensemble Participation (4 hrs.)
Four semesters required. Select from the following:

MUSI	1167	COLLEGIATE SINGERS	1
MUSI	1168	MARCHING BAND	2
MUSI	1169	WIND ENSEMBLE	1
MUSI	1172	UNIVERSITY-COMMUNITY ORCHESTRA	1

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN MUSIC EDUCATION GRADES PRE K-ADULT ....145 SEM. HRS.

Music Curriculum (see below) ....77 SEM. HRS.
General Studies Requirements ....32 SEM. HRS.
(12 General Studies hours included in music curriculum courses)
Professional Education Courses ....36 SEM. HRS.

- Music Curriculum...77 SEM. HRS.

Required Courses (35 hrs):

MUSI	1100	INTRO TO MUSIC EDUCATION	1
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	0
MUSI	1109	COMPREHENSIVE THEORY	4
MUSI	1110	COMPREHENSIVE THEORY	4
MUSI	1111	INTRO TO MUSIC TECHNOLOGY	3
MUSI	2206	MUSIC APPREC. FOR MAJORS	3
MUSI	2209/10	COMPREHENSIVE THEORY	8
MUSI	2245	FUNDAMENTALS OF CONDUCTING	2
MUSI	3309	ORCHESTRATION	2
MUSI	3313/14	MUSIC HISTORY	6
MUSI	3347	ADVANCED CONDUCTING	2

Ensemble Participation (7 hrs.)
Seven semesters required. Select from the following:

MUSI	1167	COLLEGIATE SINGERS	1
MUSI	1168	MARCHING BAND	2
MUSI	1169	WIND ENSEMBLE	1
MUSI	1172	UNIVERSITY-COMMUNITY ORCHESTRA	1

Applied Music (26 hrs.)

MAJOR INSTRUMENT OR VOICE			14
MUSI	1104	FUNCTIONAL PIANO I	1
MUSI	1105	FUNCTIONAL PIANO II	1
MUSI	2204	FUNCTIONAL PIANO III	1
MUSI	2205	FUNCTIONAL PIANO IV	1
MUSI	1139	VOICE CLASS	1
MUSI	2211	STRING CLASS I-II	1
MUSI	2213	BRASS CLASS I-II	1
MUSI	2215	WOODWIND CLASS I-II	1
MUSI	2217	PERCUSSION CLASS	1
MUSI	2219	GUITAR CLASS	1
MUSI		ELECTIVE INSTRUMENTAL CLASS	1
MUSI	4440	SENIOR RECITAL	1

Music Education Methods (9 hrs.)

MUSI	3328	ELEMENTARY METHODS, MATERIALS, & ADMIN	2
MUSI	4429	INSTRUMENTAL METHODS, MATERIALS, & ADMIN	2
MUSI	4430	CHORAL METHODS, MATERIALS, & ADMIN	2
MUSI	4431	METHODS & MATERIALS IN TEACH. MUSIC, 7-12	3

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRO. TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	LABORATORY - CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	LABORATORY - CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	LABORATORY - CLINICAL II	1
EDUC	3395	SECONDARY CLASSROOM ORGANIZATION	4
EDUC	4495	SECONDARY PRE K - ADULT STUDENT TEACHING/CLINICAL III	8

FINE ARTS-MUSIC PRE K-ADULT (B.A.ED.) MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
MATH	1107	FUNDAMENTAL CONCEPTS OF MATH	3
MUSI	1100	INTRO. TO MUSIC EDUCATION	1
MUSI	1109	THEORY, COMPREHENSIVE	4
MUSI	1139	VOICE CLASS (FIRST SEMESTER)	1
MUSI		APPLIED LESSON	2
MUSI		ENSEMBLE REQUIREMENT	1
MUSI	1104	FUNCTIONAL PIANO I	1
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	CR
			16

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
MUSI	2206	MUSIC APPRECIATION FOR MAJORS	3
MUSI	1111	INTRO. TO MUSIC TECHNOLOGY	3
MUSI	1110	THEORY, COMPREHENSIVE	4
MUSI	2217	PERCUSSION CLASS	1
MUSI		APPLIED LESSON	2
MUSI		ENSEMBLE REQUIREMENT	1
MUSI	1105	FUNCTIONAL PIANO II	1
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	CR
			21

SOPHOMORE FIRST SEMESTER

ENGL LIT.			3
G.S. SCIENCE			4
EDUC	2200	INTRO. TO EDUCATION	3
MUSI	2209	THEORY, COMPREHENSIVE	4
MUSI		APPLIED LESSON	2
MUSI	2211	STRING CLASS	1
MUSI		ENSEMBLE REQUIREMENT	1
MUSI	2204	FUNCTIONAL PIANO III	1
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	CR
			19-20

SOPHOMORE SECOND SEMESTER

G.S. SCIENCE			4
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
MUSI	2210	THEORY, COMPREHENSIVE	4
MUSI	2219	GUITAR CLASS FOR MUSIC MAJORS	1
MUSI	2245	FUNDAMENTALS OF CONDUCTING	2
MUSI		APPLIED LESSON	2
MUSI		ENSEMBLE REQUIREMENT	1
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	CR
MUSI	2205	FUNCTIONAL PIANO IV	1
			18

JUNIOR FIRST SEMESTER

EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
MUSI	3313	MUSIC IN WESTERN CIV. TO 1750	3
MUSI	3309	ORCHESTRATION	2
MUSI	3347	ADVANCED CONDUCTING	2
MUSI	2213	BRASS CLASS	1
MUSI	3328	ELEM. METHODS & MATERIALS K-6	2
G.S. HUM.			3
MUSI		ENSEMBLE REQUIREMENT	1
MUSI		APPLIED MUSIC	2
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	CR
			20

JUNIOR SECOND SEMESTER

EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL II	1
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	CR
MUSI	2215	WOODWIND CLASS	1
MUSI	3314	MUSIC IN WESTERN CIV. SINCE 1750	3
MUSI	4429	INSTRUMENTAL METH., MATER., & ADMIN.	2
MUSI	4430	CHORAL METH., MATER., & ADMIN.	2
MUSI		ENSEMBLE REQUIREMENT	1
MUSI		APPLIED MUSIC	2
			19

SENIOR FIRST SEMESTER

EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
ENGL LIT.			3
G.S. HUM.			3
MUSI	1101	CONCERTS, RECITALS, AND SEMINARS	CR
MUSI	4431	METH. & MATERIALS IN TEACHING MUSIC	3
MUSI		ENSEMBLE REQUIREMENT	1
MUSI		APPLIED MUSIC	2
MUSI	4440	SENIOR RECITAL	1
MUSI ELECTIVE		APPLIED METHODS CLASS	1
			20

SENIOR SECOND SEMESTER

EDUC	3395	SEC. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SEC./PRE-K-ADULT STUDENT TEACH.	8
			12

COMMUNICATION AND THEATRE ARTS

The Department of Communication and Theatre Arts has designed a program to provide students with a variety of choices for developing their knowledge and skills through study and performance. By building a base of performance experience through classroom exercises, public performances, and competition, students can develop communication expertise which will prepare them to meet the challenges of the future.

Entering students in the Department of Communication and Theatre Arts are assigned a Pre-Communication or Pre-Theatre major code. For admission to B.A. degree programs in the School of Fine Arts, students must:

- Pass an end of sophomore year jury or portfolio review;
- Maintain a 2.0 overall GPA; and,
- Earn a "C" or better in every course for the major.

Students continuing in the Department of Communication and Theatre Arts degree program have a graduation requirement of a 2.0 overall GPA and, in addition, must earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

A number of program choices are available to students in the Department of Communication and Theatre Arts. Students may choose a degree program in:

1) A Bachelor of Arts major in Theatre;
2) A Bachelor of Arts major in Communication;
3) Bachelor of Arts minors in either Communication or Theatre;
4) Bachelor of Arts in Education, single field, grades 5-12 in Oral Communication;
5) Bachelor of Arts in Education, single field, Pre-K-Adult in Theatre.

In order that a student in any of these programs may be recommended for graduation by the Communication and Theatre Arts faculty, s/he must perform in one or more of the department faculty-directed/sponsored public performance areas listed below. A student must reach a satisfactory level of proficiency in at least one of the performance areas. Each student's performance and level of proficiency will be periodically appraised by the faculty.

PERFORMANCE AREAS

Theatre: acting, technical crews, directing, designing, public relations, house management, business management, etc., with Masquers, Town & Gown, or studio theatre presentations.

Oral Interpretation: intercollegiate festivals, contests, and other public performances.

Public Speaking: intercollegiate debate, competitive communication and public speaking events, festivals and exhibitions, organizing and evaluating communication performances and other public speaking presentations.

The co-curricular activities of this department are open to all students. For detailed information, see Forensics and Theatre under Student Services and Organizations in this catalog.

BACHELOR OF ARTS IN COMMUNICATION ....128 SEM. HRS.

Communication Curriculum (see below)........39 SEM. HRS.
General Studies Requirements ....40 SEM. HRS.
Free Electives...49 SEM. HRS.

- Communication Curriculum ....39 SEM. HRS.

Required Courses (36 hrs.)

COMM	1105	VOICE & DICTION	3
COMM	1171	MASS COMMUNICATION	3 ✓
COMM	2201	INTRODUCTION TO GROUP DISCUSSION	3 ✓
COMM	2202	COMMUNICATION IN THE WORLD OF WORK	3
COMM	2215	NONVERBAL COMMUNICATION	3
COMM	2219	LANGUAGE IN COMMUNICATION	3
COMM	2235	INTERPERSONAL COMMUNICATION	3
COMM	2241	ARGUMENTATION & DEBATE	3
COMM	3337	PERSUASIVE COMMUNICATION	3
COMM	3345	ORATORY	3
COMM	4495	SEMINAR IN COMMUNICATION ISSUES	3
THEA	2220	ORAL INTERPRETATION	3

Communication Electives (3 hrs.)

COMM	1199	SPECIAL TOPICS IN SPEECH COMMUNICATION	1-3
COMM	2249/4449	INTERCOLLEGIATE DEBATE PRACTICUM (I-VIII)	1
COMM	4439	PUBLIC SPEAKING PRACTICUM (I-VIII)	1
COMM	4491	DIRECTED STUDY	1-4
THEA	2228/4428	ORAL INTERPRETATION PRACTICUM (I-VIII)	1

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

COMM	1105	VOICE AND DICTION	3
G.S./ELECTIVES			13

FRESHMAN SECOND SEMESTER

COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
THEA	2220	ORAL INTERPRETATION	3
G.S./ELECTIVES			10

SOPHOMORE FIRST SEMESTER

COMM	2201	INTRODUCTION TO GROUP DISCUSSION	3
COMM	2241	ARGUMENTATION AND DEBATE	3
G.S./ELECTIVES			9

SOPHOMORE SECOND SEMESTER

COMM	2202	COMMUNICATION IN THE WORLD OF WORK	3
COMM	2215	NONVERBAL COMMUNICATION	3
COMM	2219	LANGUAGE IN COMMUNICATION	3
COMM	ELECTIVE		1
G.S./ELECTIVES			6

JUNIOR FIRST SEMESTER

COMM	1171	INTRODUCTION TO MASS COMMUNICATION	3
COMM	2235	INTERPERSONAL COMMUNICATION	3
COMM	3337	PERSUASIVE COMMUNICATION	3
COMM ELECTIVE			1
G.S./ELECTIVES			6

JUNIOR SECOND SEMESTER

COMM	ELECTIVE		1
G.S./ELECTIVES			16

SENIOR FIRST SEMESTER

COMM	4495	SEMINAR IN COMMUNICATION ISSUES	3
G.S./ELECTIVES			13

SENIOR SECOND SEMESTER

COMM	3345	ORATORY	3
G.S./ELECTIVES			13

MINOR IN COMMUNICATION ....24 SEM. HRS.

Required Courses (24 hrs.)

COMM	1105	VOICE & DICTION	3
COMM	1171	MASS COMMUNICATION	3
COMM	2201	INTRODUCTION TO GROUP DISCUSSION	3
COMM	2215	NONVERBAL COMMUNICATION	3
COMM	2219	LANGUAGE IN COMMUNICATION	3
COMM	2235	INTERPERSONAL COMMUNICATION	3
COMM	2241	ARGUMENTATION & DEBATE	3
COMM	3337	PERSUASIVE COMMUNICATION	3

BACHELOR OF ARTS IN THEATRE ....128 SEM. HRS.

Theatre Curriculum (see below)....................48 SEM. HRS.
General Studies Requirements ....37 SEM. HRS.
Free Electives..43 SEM. HRS.

- Theatre Curriculum ....48 SEM. HRS.

Required Courses (39 hrs.)

COMM	1105	VOICE & DICTION	3
THEA	1110	INTRODUCTION TO THEATRE	3
THEA	1114	BODY TRAINING AND STAGE MOVEMENT	3
THEA	1140	THEATRICAL PRODUCTION	2
THEA*	1148	THEATRE WORKSHOP	1
THEA	1151	TEXT ANALYSIS	3
THEA	2212	THEATRICAL MAKEUP	1
THEA	2230	ACTING	3
THEA	2238	ACTING WORKSHOP I	1
-OR -			
THEA	4432	ACTING WORKSHOP II	1
THEA	2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA	2262	PRODUCTION PRACTICUM I	1
-OR-			
THEA	4462	PRODUCTION PRACTICUM II	1
THEA	3336	DIRECTING	3
THEA	3340/41	THEATRE HISTORY I, II	6
THEA	3375	DEVELOPMENT OF DRAMATIC ART	3
THEA	4438	SENIOR COMPREHENSIVE PROJECT	3

**One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.*

Theatre Electives (9 hrs.)
(At least 6 hours must be upper-division.)

THEA	1199	SPECIAL TOPICS IN THEATRE	1-3
THEA	2220	ORAL INTERPRETATION	3
THEA	2251	PLAYWRITING	3
THEA	3305	VOICE FOR THE STAGE	3
THEA	3314	ADVANCED THEATRICAL MAKEUP	1
THEA	3326	PERFORMANCE STUDIES	3
THEA	3330	ADVANCED ACTING	3
THEA	3344	ADVANCED THEATRICAL DESIGN	3
THEA	3346	CREATIVE PUPPETRY	3
THEA	3350	CHILDREN'S DRAMA	3
THEA	3352	CREATIVE DRAMA	3
THEA	3392	COSTUME HISTORY AND DESIGN	3
THEA	4480	THEATRE BUS. MANAGEMENT AND PROMOTION	3
THEA	4490	DIRECTED STUDY IN THEATRE	1-3

Recommended Related Courses for Theatre Majors:

ART	1120	ART APPRECIATION	3
ART	1142	FOUNDATIONS OF DRAWING	3
ENGL	3374	SHAKESPEARE	3
ENGL	3390	MODERN DRAMA	3
MUSI	1120	MUSIC APPRECIATION	3
MUSI	1139	VOICE CLASS I	1
MUSI	1141	VOICE I-IV	1-2

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

COMM	1105	VOICE & DICTION	3
THEA	1110	INTRO. TO THEATRE	3
THEA	2212	THEATRICAL MAKE-UP	1
G.S./ELECTIVES			9

FRESHMAN SECOND SEMESTER

COMM	2200	INTRO TO HUMAN COMMUNICATION	3
THEA	1114	BODY TRAINING & STAGE MVT.	3
THEA	1140	THEATRE PRODUCTION	2
THEA	1148	THEATRE WORKSHOP	1
THEA	1151	TEXT ANALYSIS	3
G.S./ELECTIVES			3

SOPHOMORE FIRST SEMESTER

THEA	2230	ACTING	3
G.S./ELECTIVES			13

SOPHOMORE SECOND SEMESTER

THEA	2244	INTRO. TO THEATRICAL DESIGN	3
THEA ELECTIVES			2
G.S./ELECTIVES			10

JUNIOR FIRST SEMESTER

THEA	3340	THEATRE HISTORY I	3
THEA	3375	DEV. OF DRAMATIC ART	3
THEA ELECTIVES			3
G.S./ELECTIVES			9

JUNIOR SECOND SEMESTER

THEA	3341	THEATRE HISTORY II	3
THEA	3336	DIRECTING	3
G.S./ELECTIVES			12

SENIOR FIRST SEMESTER

THEA ELECTIVES			6
G.S./ELECTIVES			9

SENIOR SECOND SEMESTER

THEA	4438	SR. COMPREHENSIVE PROJECT	3
G.S./ELECTIVES			12

MINOR IN THEATRE ....31 SEM. HRS.

Required Courses (31 hrs):

COMM	1105	VOICE AND DICTION	3
THEA	1110	INTRODUCTION TO THEATRE	3
THEA	1114	BODY TRAINING AND STAGE MOVEMENT	3
THEA*	1140	THEATRICAL PRODUCTION	2
THEA*	1148	THEATRE WORKSHOP	1
THEA	1151	TEXT ANALYSIS	3
THEA	2212	THEATRICAL MAKEUP	1
THEA	2220	ORAL INTERPRETATION	3
THEA	2230	ACTING	3
THEA	2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA	3340	THEATRE HISTORY I	3
-OR-			
THEA	3341	THEATRE HISTORY II	3
THEA	3336	DIRECTING	3

**One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.*

Recommended Related Courses for Theatre Minors:

ART	1120	ART APPRECIATION	3
ART	1142	FOUNDATIONS OF DRAWING	3

ENGL	3374	SHAKESPEARE	3
ENGL	3390	MODERN DRAMA	3
MUSI	1120	MUSIC APPRECIATION	3
MUSI	1139	VOICE CLASS I	1
MUSI	1141	VOICE I-IV	1-2

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN ORAL COMMUNICATION GRADES 5-ADULT ....128 SEM. HRS.

(Although not required, a second field is recommended. See your advisor.)

Oral Communication Curriculum (see below) 41 SEM. HRS.
Professional Education Courses ....36 SEM. HRS.
General Studies Requirements ....37 SEM. HRS.
Free Electives..14 SEM. HRS.

All courses must be completed before the Initial Performance Practicum. COMM 4431 must be taken in either the junior or senior year by all Oral Communication majors.

- Oral Communication Curriculum..................41 SEM. HRS.

Required Courses (41 hrs.)

COMM	1105	VOICE & DICTION	3
COMM	1171	MASS COMMUNICATION	3
COMM	2235	INTERPERSONAL COMMUNICATION	3
COMM	2241	ARGUMENTATION & DEBATE	3
COMM	2249/4449	INTERCOLLEGIATE DEBATE	1
COMM	3337	PERSUASIVE COMMUNICATION	3
COMM	4431	METHODS AND MATERIALS IN TEACHING COMMUNICATION AND THEATRE	3
COMM	4439	PUBLIC SPEAKING PRACTICUM	1
THEA	1140	THEATRICAL PRODUCTION	2
THEA*	1148	THEATRE WORKSHOP	1
THEA	2212	THEATRICAL MAKEUP	1
THEA	2220	ORAL INTERPRETATION	3
THEA	2228/4428	ORAL INTERPRETATION PRACTICUM	1
THEA	2230	ACTING	3
THEA	2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA	3336	DIRECTING	3
THEA	3350	CHILDREN'S DRAMA	3
THEA	3354	THEATRE EDUCATION PRACTICUM	1

**The one required hour in THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). Previously acquired credit in THEA 1148 or THEA 3348 will not fulfill this requirement.*

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRO. TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECOND. PRE K-ADULT STUD. TEACH./CLINICAL III	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

COMM	1105	VOICE & DICTION	3
THEA	1140	THEATRE PRODUCTION	2
THEA	1148	THEATRE WORKSHOP I	1
THEA	2212	THEATRICAL MAKEUP	1
G.S./ELECTIVES			9

FRESHMAN SECOND SEMESTER

COMM	2200	INTRO TO HUMAN COMMUNICATION	3
THEA	1120	THEATRE APPRECIATION	3
THEA	2220	ORAL INTERPRETATION (ODD YEARS)	3
EDUC	2200	INTRODUCTION TO EDUCATION	3
G.S./ELECTIVES			6

SOPHOMORE FIRST SEMESTER

COMM	1171	MASS COMMUNICATION	3
COMM	2241	ARGUMENTATION & DEBATE	3
THEA	2228	ORAL INTERPRETATION PRACTICUM I	1
THEA	2230	ACTING	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
G.S./ELECTIVES			3

SOPHOMORE SECOND SEMESTER

COMM	2249	INTERCOLLEGIATE DEBATE	1
THEA	2244	INTRO. TO THEATRICAL DESIGN	3
- OR -			
THEA	3350	CHILDREN'S DRAMA	3
EDUC	2202	HUMAN GROWTH & DEVELOPMENT	3
EDUC	2202L	HUMAN GROWTH & DEVELOPMENT (CLINICAL I)	1
G.S./ELECTIVES			7

JUNIOR FIRST SEMESTER

COMM	2235	INTERPERSONAL COMMUNICATION	3
COMM	3337	PERSUASIVE COMMUNICATION	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
G.S./ELECTIVES			5

JUNIOR SECOND SEMESTER

COMM	4439	PUBLIC SPEAKING PRACTICUM	1
THEA	2244	INTRO. TO THEATRICAL DESIGN	3
- OR -			
THEA	3350	CHILDREN'S DRAMA	3
THEA	3336	DIRECTING	3
G.S./ELECTIVES			9

SENIOR FIRST SEMESTER

COMM	4431	METHODS & MATERIALS	3
THEA	3354	THEATRE EDUCATION PRACTICUM	1
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	INCLUSIVE CLASSROOM PRACTICES (CLINICAL II)	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	EDUCATIONAL PSYCHOLOGY (CLINICAL II)	1
G.S./ELECTIVES			6

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SEC./PRE-K-ADULT STUDENT TEACHING	8

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN THEATRE GRADES PRE K-ADULT ....128 SEM. HRS.

(Although not required, a second field is recommended. See your advisor.)

Theatre (see below)......................................43 SEM. HRS.
Professional Education Courses ....36 SEM. HRS.
General Studies Requirements ....41 SEM. HRS.
Free Electives..8 SEM. HRS.

All courses must be completed before the Initial Performance Practicum. COMM 4431 must be taken in either the junior or senior year by all Theatre Education majors.

- Theatre Curriculum ....43 SEM. HRS.

Required Courses (43 hrs.)

COMM	1105	VOICE & DICTION	3
THEA	1114	BODY TRAINING & STAGE MOVEMENT	3
THEA	1140	THEATRICAL PRODUCTION	2
THEA	1148*	THEATRE WORKSHOP	1
THEA	1151	TEXT ANALYSIS	3
THEA	2212	THEATRICAL MAKEUP	1
THEA	2230	ACTING	3
THEA	2238/4432	ACTING WORKSHOP I	1
THEA	2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA	2262/4462	PRODUCTION PRACTICUM I	1
THEA	3336	DIRECTING	3
THEA	3340	THEATRE HISTORY I	3
THEA	3344	ADVANCED THEATRICAL DESIGN	3
THEA	3346	CREATIVE PUPPETRY	3
THEA	3350	CHILDREN'S DRAMA	3
THEA	3352	CREATIVE DRAMA	3
THEA	3354	THEATRE EDUCATION PRACTICUM	1
COMM	4431	METHODS AND MATERIALS	3

**The one required hour in THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). Previously acquired credit in THEA 1148 or THEA 3348 will not fulfill this requirement.*

Recommended Electives 8 Sem. Hrs.

THEA	1160	TECHNICAL THEATRE PRACTICUM: COSTUMING I	1
THEA	1162	TECHNICAL THEATRE PRACTICUM: LIGHTING I	1
THEA	1164	TECHNICAL THEATRE PRACTICUM: PROPERTIES I	1
THEA	1166	TECHNICAL THEATRE PRACTICUM: SCENIC I	1
THEA	1168	TECHNICAL THEATRE PRACTICUM: SOUND I	1
THEA	2220	ORAL INTERPRETATION	3
THEA	3320	ART OF STORYTELLING	3
THEA	3341	THEATRE HISTORY II	3
ENGL	3374	SHAKESPEARE	3
ENGL	3390	MODERN DRAMA	3
ENGL	3354	CHILDREN'S LITERATURE	3
ENGL	3355	YOUNG ADULT LITERATURE	3
ENGL	3387	FOLK LITERATURE	3

- Professional Education ....36 SEM. HRS.

EDUC	2200	INTRO. TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2202	HUMAN GROWTH AND DEVELOPMENT	3
EDUC	2202L	CLINICAL I	1
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351L	CLINICAL II	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352L	CLINICAL II	1
EDUC	3395	SECOND. CLASSROOM ORG. & PRACTICES	4
EDUC	4495	SECOND. PRE K-ADULT STUD. TEACH./CLINICAL III	8

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
INFO	1100	COMPUTER CONCEPTS & APPLICATIONS	3
GS/ELECTIVES			6
COMM	1105	VOICE & DICTION	3
THEA	1140	THEATRICAL PRODUCTION	3
THEA	1148	THEATRE WORKSHOP	1

FRESHMAN SECOND SEMESTER

ENGL	1108	WRITTEN ENGLISH II	3
GS/ELECTIVES			3
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION	3
THEA	1114	BODY TRAINING & STAGE MOVEMENT	3
THEA	1151	TEXT ANALYSIS	3
EDUC	2200	INTRODUCTION TO EDUCATION	3

SOPHOMORE FIRST SEMESTER

GS/ELECTIVES			6
THEA	2212	THEATRICAL MAKEUP	1
THEA	2230	ACTING	3
THEA	2251	PLAYWRITING	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3

SOPHOMORE SECOND SEMESTER

GS/ELECTIVES			6
THEA	2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA ELECTIVE			3
EDUC	2202	HUMAN GROWTH & DEVELOPMENT	3
EDUC	2202	LAB HUMAN GROWTH & DEVELOPMENT	1

JUNIOR FIRST SEMESTER

THEA	3340	THEATRE HISTORY I	3
THEA	3344	ADVANCED THEATRICAL DESIGN	3
THEA	3346	CREATIVE PUPPETRY	3
THEA	3352	CREATIVE DRAMA	3
EDUC	2220	INTRODUCTION TO SPECIAL EDUCATION	3
EDUC	3331	READING IN THE CONTENT AREAS	3

JUNIOR SECOND SEMESTER

GS/ELECTIVES			6
THEA	3336	DIRECTING	3
THEA	3350	CHILDREN'S DRAMA	3
THEA	3354	THEATRE EDUCATION PRACTICUM	1
THEA ELECTIVES			3

SENIOR FIRST SEMESTER

THEA	4431	METHODS & MATERIALS	3
THEA	4438	SENIOR COMPREHENSIVE PROJECT	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3351	LAB	1
EDUC	3352	EDUCATIONAL PSYCHOLOGY	3
EDUC	3352	LAB	1

SENIOR SECOND SEMESTER

EDUC	3395	SECONDARY CLASSROOM ORGANIZATION AND PRACTICES	4
EDUC	4495	SECONDARY PRE K-ADULT STUDIES	8

School of Nursing and Allied Health Administration

Dr. Mary Sharon Boni, Dean
244 Education Building / (304) 367-4133
Sharon.Boni@fairmontstate.edu

FACULTY

BATES, JOYCE A (2001)
Assistant Professor of Nursing

BONI, MARY SHARON (2006)
Professor of Nursing

BROSCIOUS, DEANNE (2006)
Temporary Assistant Professor of Nursing

CONDRON, ELLEN (1990)
Associate Professor of Nursing

FRAZIER, ASHLEY (2009)
Temporary Assistant Professor of Nursing

GALLO, VERONICA (2004)
Assistant Professor of Nursing

HICKS, ALEXIS (2009)
Temporary Assistant Professor of Nursing

HOAG, DEBRA (2002)
Assistant Professor of Nursing

KERWIN, VICKI (2007)
Assistant Professor of Nursing

KIRBY, GALE T. (1989)
Assistant Professor of Nursing

KIRCHOFF, DENICE (1998)
Associate Professor of Nursing

MEIGHEN, MARY (1983)
Professor of Nursing

MOORE, CONNIE S. (1988)
Associate Professor/Senior Level: Nursing
Abelina Suarez Professor

ROGERS, TANYA L. (2001)
Associate Professor of Nursing

TURBANIC, JUDITH A. (1995)
Assistant Professor of Nursing

TURCHIN, LINDA (2003)
Assistant Professor of Nursing

YOUNG, FRANCES T. (1997)
Associate Professor of Nursing

ALLIED HEALTH ADMINISTRATION

(Bachelor of Science)

This is a comprehensive program, which is designed to provide health professionals with the education to become administrators in health care agencies. The curriculum is directed toward developing the management, problem-solving, finance, and interpersonal skills that are necessary for careers in a variety of health care organizations. An additional intent of the program is to provide career advancement opportunities for those who are already employed in health care organizations.

To be eligible for admission to the Bachelor of Science Program in Allied Health Administration, a student must have an associate degree in a healthcare field from an accredited college. Requirements include General Studies courses, degree requirements, and a core curriculum, which encompasses accounting, management, problem solving, and allied health courses.

Students wishing to enroll in the Allied Health Administration courses are encouraged to complete the General Studies requirements and required support courses prior to enrolling in the ALLH core courses.

Students must earn a grade of "C" or higher in all required courses.

BACHELOR OF SCIENCE IN ALLIED HEALTH ADMINISTRATION	128 SEM. HRS.
General Studies Requirements	42 SEM. HRS.
Allied Health/Support Curriculum (see below)	31 SEM. HRS.
Associate Degree Major Credits	35 SEM. HRS.
Electives	20 SEM. HRS.

- Allied Health Administration Curriculum........31 SEM. HRS.

Required Support Courses (18 hrs.)

ACCT	2201	PRINCIPLES OF ACCOUNTING I	3
INFO	1100	COMPUTER CONCEPTS AND APPLICATIONS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	3
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
MGMT	3390	ORGANIZATIONAL BEHAVIOR	3
BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
-OR-			
PSYC	2240	STATISTICS	4
-OR-			
MATH	1113	APPLIED STATISTICS	4

Required Allied Health Courses (13 hrs.)

ALLH	3301	HEALTH CARE ORGANIZATION	3
ALLH	3302	MANAGEMENT PROBLEMS OF THE HEALTH CARE DELIVERY SYSTEM	3
ALLH	3372	LEGAL AND MEDICAL ETHICS	3
ALLH	4401	ALLIED HEALTH PRACTICUM AND SEMINAR	4

PRE-NURSING CURRICULUM

Pre-Nursing studies prepare students to apply for the Associate Degree of Science in Nursing (ASN) program. In order to be admitted to the pre-nursing major, a student must be admitted to FSU or Pierpont, have and maintain a cumulative GPA of 2.0 or higher, have successfully completed all developmental courses and declare pre-nursing as a major. Students who are admitted to the pre-nursing major and indicate an interest in applying for the ASN program will be assigned a pre-nursing advisor who will assist the student in selecting and enrolling in classes. In order to apply for admission into the ASN program, The School of Nursing requires the student to have taken and received a passing grade in Algebra, Chemistry, and Biology in high school or college; to have taken the T.E.A.S. test and have met the minimal required scores; and to have a cumulative GPA of 2.0 or higher The pre-nursing curriculum provides for students to take pre-requisite and general studies courses. The schedule of classes is individually designed based on the student's previous high school and/or college coursework.

NURSING

(Bachelor of Science Degree)

The Bachelor of Science in Nursing Program is designed for Registered Nurses who desire a baccalaureate degree in nursing. It provides career mobility for the associate degree and diploma-graduate nurse. The program is designed to prepare nurse generalists to provide and coordinate care in situations of health promotion, maintenance, and restoration. The program also aims to provide a base for graduate study and to prepare graduates to assume accountability for nursing practice in the roles of clinical generalist, client advocate, leader, manager, research consumer, and lifelong learner.

The curriculum is individually designed on the basis of the student's academic background. A minimum of 128 approved credit hours is required. This includes 30 upper division-nursing credits. The program can be completed in two full-time academic years or one accelerated academic year if the lower division requirements have been completed in advance. Students may enroll on a full-time or part-time basis. Nursing courses will be offered in the evening or online when possible. A grade of"C"or above is required in all nursing and support courses.

The Bachelor of Science in Nursing Program is accredited by the Commission on Collegiate Nursing Education (CCNE). Individuals interested in more information on accreditation may contact: Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, (202) 887-6791.

All applicants seeking admission to the Bachelor of Science in Nursing Program are required to:

1) Meet the general admission requirements of Fairmont State University.
2) Hold an unencumbered license to practice as a Registered Nurse in West Virginia.
3) Submit an application for admission, designating the major as Baccalaureate in Nursing, to the Office of Admissions in order to be considered for admission. The following information must also be submitted:

    a. Official college or diploma program transcripts.
    b. Evidence of current CPR certification (must be provided prior to beginning clinical courses).
    c. Completed health form and/or meet clinical agency requirements.

4) Have any eligible transfer courses evaluated by the Registrar's Office.
5) Graduates of a diploma-nursing program will receive credit for lower division nursing courses by successfully completing 14 credits in the nursing major with a grade of "C" or better.
6) Have a satisfactory background check prior to admission.

Students interested in the program are encouraged to contact the Department of Nursing for advisement purposes.

The following courses are required for completion of this program. All required support courses must be completed prior to or concurrently with Nursing 4440. Admission to the program is required for enrollment in clinical nursing courses.

Courses marked with an asterisk must be completed prior to admission to the BSN nursing courses. The Bachelor's Degree in Nursing offers an option of School Nurse Certification. Education 2200 and the School Nurse Track in Nursing 4440 are required for this program.

BACHELOR OF SCIENCE DEGREE IN NURSING .... 128 HRS

Required Nursing Courses ....30 SEM. HRS.
Required Support Courses .... 6-7 SEM. HRS.

- Associate Degree Nursing Credits ....35 SEM. HRS.
General Studies ....44 SEM. HRS.
Electives .... 12-13 SEM. HRS.

General Studies and Support Course Requirements

Communication Skills

*ENGL	1104	WRITTEN ENGLISH I	3
*ENGL	1108	WRITTEN ENGLISH II	3
COMM	2200 OR 2201 OR 2202		3
INFO	1100	COMP.CONCEPTS (OR DEMONSTRATED COMPETENCY)	3

Cultural/Civilization Exploration (9 hrs.)
See General Studies Requirements

Society and Human Interactions

*PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
*SOCY	1110	INTRODUCTORY SOCIOLOGY	3

Scientific Discovery

*BIOL	1170	ANATOMY AND PHYSIOLOGY	4
*BIOL	2205	TECHNICAL MICROBIOLOGY	4

Mathematics

MATH	1107	OR HIGHER MATH	3

Creative Expression and Interdisciplinary Studies

APPRECIATION COURSE
ART, MUSIC, THEATRE, OR INTR 1120 3
PLUS 3 ADDITIONAL CREDITS FROM THIS CATEGORY

Support Courses

PSYC	2240	STATISTICS	4
-OR-			
BUSN	3310	BUSINESS & ECONOMIC STATISTICS	3
MGMT	2209	PRINCIPLES OF MANAGEMENT	
-OR-			
MGMT	3308	HUMAN RESOURCE MANAGEMENT	3
**EDUC	2200	INTRODUCTION TO EDUCATION	3

**Courses marked with an asterisk must be completed prior to enrolling in NURS 3350.*
*** School Nurse candidates only.*

- Required Nursing Courses ....30 SEM. HRS.

NURS	3320	HEALTH ASSESSMENT	4
NURS	3330	HEALTH DEVIATIONS	3
NURS	3350	PROFESSIONAL NURSING CONCEPTS	3
NURS	3360	ETHICAL DECISION MAKING IN HEALTH CARE	3
NURS	4400	RESEARCH IN NURSING PRACTICE	3
NURS	4410	COMMUNITY HEALTH NURSING	6
NURS	4430	LEADERSHIP & MANAGEMENT IN NURSING PRACTICE	3
NURS	4440	NURSING PRACTICUM	5

- Accelerated BSN

Students who have the support courses completed may opt for the Accelerated BSN Program of Study. The accelerated track allows a student to take 16 nursing credits in the fall semester and 14 nursing credits in the spring semester and complete the program in one academic year.

- Returning BSN seeking School Nurse Certificate

NURS	4441	SCHOOL NURSE PRACTICUM	4
EDUC	2200	INTRODUCTION TO EDUCATION	3

NURSING

(Associate of Science Degree)

The mission of the Associate of Science in Nursing Program is to provide quality nursing education to people in north central West Virginia and beyond. The program is designed to prepare graduates for a challenging and satisfying career as a nurse. The curriculum includes a balance of nursing, General Studies, and support courses. Students have the opportunity to apply nursing theory and skills in the campus simulation laboratories, in clinical settings which may include hospitals homes, a rehabilitation center, schools, clinics, and physicians' offices. Students are expected to provide their own transportation to all clinical experiences.

Fairmont State's associate degree nursing program is designed to produce a graduate who is able to:

1) Initiate client care using critical thinking skills to make reasoned decisions.
2) Practice social and professional accountability and responsibility.
3) Synthesize knowledge from nursing and the physical, biological, behavioral and social sciences to implement the nursing process.
4) Establish effective therapeutic communication with clients.
5) Demonstrate competency in therapeutic nursing interventions.
6) Coordinate client care functioning in the multiple roles of care provider, teacher, communicator, manager, and member of the profession.

An impartial scoring system is employed to rank applicants applying to the nursing program. The evaluation process considers Test of Essential Academic Skills(TEAS TEST) scores; high school or college grade point average or GED scores; grades in chemistry, biology, and algebra; and certain college courses completed that apply to the nursing degree (if applicable). Application and Admission resources can be found on the website at http://www.fairmontstate.edu/academics/nursingdept/resources/application/default.asp Applicants who are not admitted **must reapply** if they wish to be considered for the next academic year.

To progress in the nursing program, a student must receive a grade of "C" or higher in each nursing and required support course. Failure to meet either of these requirements will result in a student being resequenced in the program according to the Readmission Policy. A student may only be resequenced in the program one time. To graduate from the nursing program, a student must have a grade of "C" or above in every nursing course and a cumulative 2.0 grade point average.

Graduates of the program are eligible to take the National Council Licensing Examination for Registered Nurses (NCLEX-RN) for licensure as a Registered Nurse. For licensure in West Virginia, candidates must meet the following legal requirements delineated in the West Virginia Code, Chapter 30, Article 7, Section 11.WV Code 30-7-11. Denial, revocation or suspension of license; grounds for discipline.

The Board shall have the power to deny, revoke or suspend any license to practice registered professional nursing issued or applied for in accordance with the provisions of this article, or to otherwise discipline a licensee or applicant upon proof that he or she:

(a) Is or was guilty of fraud or deceit in procuring or attempting to procure a license to practice registered professional nursing; or
(b) Has been convicted of a felony; or
(c) Is unfit or incompetent by reason of negligence, habits or other causes; or
(d) Is habitually intemperate or is addicted to the use of habit-forming drugs; or
(e) Is mentally incompetent; or
(f) Is guilty of conduct derogatory to the morals or standing of the profession of registered nursing; or
(g) Is practicing or attempting to practice registered professional nursing without a license or registration; or
(h) Has willfully or repeatedly violated any of the provisions of this article

The nursing program is accredited by the West Virginia Board of Examiners for Registered Professional Nurses(WVBOERPN) and the National League for Nursing Accrediting Commission (NLNAC).

WVBOERPN
101 Dee Drive, Suite 102
Charleston, WV 25311-1620
304-558-3596

NLNAC
3343 Peachtree Road NE, Suite 500
Atlanta Georgia 30326
404-975-5000

Associate Degree Nurses are qualified to work in hospitals, nursing homes, physicians' offices and clinics. Graduates may also continue in higher education toward Bachelor's and Master's degrees in nursing and related fields.

ASSOCIATE OF SCIENCE IN NURSING.........(69) SEM. HRS.

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

ENGL	1104	WRITTEN ENGLISH I	3
NURS	1100	INTRO TO THERAPEUTIC COMMUNICATION & ASSESSMENT	1
NURS	1101	FUNDAMENTALS OF NURSING	6
FOSM	1110	NUTRITION	3
BIOL	1170	ANATOMY & PHYSIOLOGY	4
			17

FRESHMAN SECOND SEMESTER

NURS	1108	NURSING CARE OF ADULTS I	6
NURS	1109	MATERNAL & NEWBORN NURSING	3
BIOL	2205	TECHNICAL MICROBIOLOGY	4
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	3
ALLH	1110	PHARMACOLOGY I	1
			17

SOPHOMORE FIRST SEMESTER

NURS	2208	NURSING CARE OF ADULTS II	7
NURS	2203	MENTAL HEALTH NURSING	3
ALLH	2110	PHARMACOLOGY II	1
ENGL	1108	WRITTEN ENGLISH II	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
			17

SOPHOMORE SECOND SEMESTER

NURS	2212	ADVANCED NURSING CARE	4
NURS	2209	NURSING OF CHILDREN	4
NURS	2211	CONTEMPORARY NURSING & MANAGEMENT	3
ALLH	2210	PHARMACOLOGY III	1
ELECTIVE			3
ELECTIVE			3
			18

LPN TO ASN ACCELERATED TRACKS

Once admitted to the Associate Degree Nursing Program, Licensed Practical Nurses are eligible for one of two matriculation processes.

1. LPN students can chose to matriculate through the program with the generic students starting in the spring semester of the first year of the ASN program. LPN students receive credit for NURS 1101 based on possessing a current and unencumbered LPN license. Thus, the nursing courses can be completed in 3 full-time semesters with a one hour on-line transition course, NURS 1102, and NURS 1100 taken the semester prior to beginning the spring semester nursing courses. General Studies and support course requirements will need to be taken prior to and/or concurrently with the nursing courses.

Model Schedule-1
For the LPN (Licensed Practical Nurse)

PRE-REQUISITES (to be completed prior to the Spring Semester)

ENGL	1104	WRITTEN ENGLISH	3
NURS	1101	FUNDAMENTALS OF NURSING CREDIT BY LPN LICENSE	6
NURS	1100	INTRO TO THERAPEUTIC COMMUNICATION & ASSESSMENT	1
FOSM	1110	NUTRITION	CREDIT BY EXAM-3 *
BIOL	1170	ANATOMY & PHYSIOLOGY	CREDIT BY EXAM-4 *
NURS	1102	LPN TRANSITION	1
PSYC	1101	INTRO TO PSYCHOLOGY	3
			21

SPRING

NURS	1108	NURSING CARE OF ADULTS I	6
NURS	1109	MATERNAL & NEWBORN NURSING	3
ALLH	1110	PHARMACOLOGY I	1
BIOL	2205	TECHNICAL MICROBIOLOGY	4
			14

FALL

ENGL	1108	WRITTEN ENGLISH	3
NURS	2203	MENTAL HEALTH NURSING	3
ALLH	2110	PHARMACOLOGY II	1
NURS	2208	NURSING CARE OF ADULTS II	7
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
			17

SPRING

NURS	2212	ADVANCED NURSING CARE	4
NURS	2209	NURSING OF CHILDREN	4
NURS	2211	CONTEMPORARY NURSING & MANAGEMENT	3
ALLH	2210	PHARMACOLOGY III	1
ELECTIVE**			3
ELECTIVE***			3
			18

-OR-

2. Once admitted to the Associate Degree in Science Nursing Program, the LPN can choose the Accelerated Non-Traditional Track. The LPN student starts the program in the summer semester and takes evening and weekend classes and clinicals. The student can complete the program in 12 months by completing most of the General Studies and support course requirements prior to starting the summer session.

Model Schedule-Accelerated Non-Traditional Track
For the LPN

PRE-REQUISITES (to be completed prior to the Summer Semester)

ENGL	1104	WRITTEN ENGLISH I	3
ENGL	1108	WRITTEN ENGLISH II	3
SOCY	1110	INTRODUCTORY SOCIOLOGY	3
PSYC	1101	INTRO TO PSYCHOLOGY	3
FOSM	1110	NUTRITION	CREDIT BY EXAM-3*
BIOL	1170	ANATOMY & PHYSIOLOGY	CREDIT BY EXAM-4*
NURS	1101	FUNDAMENTALS OF NURSING CREDIT BY LPN LICENSURE	6
NURS	1109	MATERNAL & NEWBORN NURSING	CREDIT BY EXAM-3*
ELECTIVE**			3
ELECTIVE***			3
			34

SUMMER

ALLH	1110	PHARMACOLOGY I	1
NURS	1100	INTRO TO THERAPEUTIC COMM. & ASSESSMENT	1
NURS	1102	LPN TRANSITION	1
NURS	1108	NURSING CARE OF ADULTS I	6
NURS	2203	MENTAL HEALTH NURSING	3
			12

FALL

ALLH	2110	PHARMACOLOGY II	1
NURS	2208	NURSING CARE OF ADULTS II	7
BIOL	2205	TECHNICAL MICROBIOLOGY	4
			12

SPRING

ALLH	2210	PHARMACOLOGY III	1
NURS	2209	NURSING OF CHILDREN	4
NURS	2211	CONTEMPORARY NURSING & MANAGEMENT	3
NURS	2212	ADVANCED NURSING CARE	4
			12

** Courses may be taken for credit hours or the credit hours may be awarded by competency examinations.*
** Elective-General Studies Society/Human Interactive Category*
*** Elective-General Studies Artistic/Interdisciplinary Category*

Licensed practical nurses who are interested in the Associate Degree Nursing program should review the application process on the School of Nursing & Allied Health Administration Academic home pages at http://www.fairmontstate.edu/academics/nursingdept/resources/application/default.asp

TRANSFER STUDENTS

Students wishing to transfer into the ASN Program, must first be accepted into the incoming fall first year class. Once a student has been accepted into the nursing program, previous nursing courses completed at an accredited associate degree nursing program will be evaluated and if applicable, credit will be given for corresponding FSU nursing courses.

TRANSPORTATION

As most of these programs require considerable student attendance at off-campus locations, it is the student's responsibility to provide transportation to all clinical affiliates. The utilization of car pools, when appropriate, is encouraged to help meet the expense of those providing transportation.

LIABILITY INSURANCE

Group liability insurance is provided to the students in Nursing and Allied Health Administration programs; the liability insurance is handled by the State of West Virginia. Students are not obligated to maintain any other liability insurance.

Interdisciplinary Programs

COMPUTER FORENSICS (MINOR ONLY)

The Minor in Computer Forensics provides basic knowledge for those students and practitioners who have an interest in criminal justice and computer crime investigation.

MINOR IN COMPUTER FORENSICS .... 18 SEM. HRS.

Required Courses (9 hrs.)

CRJU	2203	COMPUTER CRIME: LEGAL ISSUES AND INVESTIGATIVE PROCEDURES	3
INFO	2205	INFORMATION TECHNOLOGY-HARDWARE AND OPERATING SYSTEMS	3
INFO	2250	NETWORKING FUNDAMENTALS	3

Electives (9 hrs)
(Students must select at least one course from each field)

CRJU	2246	CRIMINAL EVIDENCE	3
CRJU	3340	LAWS OF ARREST, SEARCH AND SEIZURE	3
CRJU	4410	RESEARCH IN CRIMINAL JUSTICE	3
CRJU	4411	FIELD PRACTICUM	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	3310	SYSTEMS ANALYSIS AND DESIGN	3
INFO	3339	PROGRAMMING, DATA & FILE STRUCTURES	4
INFO	3340	ADVANCED APPLICATION DEVELOPMENT	3
INFO	4420	DATABASE DESIGN AND IMPLEMENTATION	3

WOMEN'S STUDIES (MINOR ONLY)

The Women's Studies minor provides students with an avenue to explore contemporary and historical women's issues as they relate to traditional academic disciplines and human life. Awareness of women's issues has become an asset in any profession. Students wishing to elect this minor will need to work closely with their advisor. Most importantly, all component course selections must be made from the approved list of courses published each semester by the Women's Studies Coordinating Committee.

MINOR IN WOMEN'S STUDIES .... 18 SEM. HRS.

Required Courses (6 hrs.)

INTR	2201	INTRODUCTION TO WOMEN'S STUDIES	3
INTR	4402	CAPSTONE SEMINAR IN WOMEN'S STUDIES	3

Electives (12 hrs.)
(Select two courses from each of the following groups)

GROUP A

BUSN	3325	WOMEN AND WORK	3
CRJU	3305	CHANGING ROLES OF WOMEN IN CRIMINAL JUSTICE	3
ENGL	3388	WOMEN'S LITERATURE	3
HIST	3333	SOCIAL HISTORY OF AMERICAN WOMEN	3

GROUP B

APPD	1103	CLOTHING AND CULTURE	3
APPD	1116	HISTORY OF CONTEMPORARY FASHION	3
ENGL	3363	AMERICAN NOVEL	3
ENGL	3379	VICTORIAN LITERATURE	3
ENGL	3380	20TH CENTURY BRITISH LITERATURE	3
ENGL	3381	BRITISH NOVEL	3
ENGL	3389	MINORITY LITERATURE	3
ENGL	3391	SHORT STORY	3
ENGL	3392	CONTEMPORARY POETRY	3
ENGL	3393	SOUTHERN LITERATURE	3
FACS	3310	FAMILY LIFE EDUCATION	3
FOSM	1110	NUTRITION	3
INTR	2200	RACE, CLASS AND GENDER IN POPULAR CULTURE	3
INTR	2280	EMPOWERING LEADERSHIP	3
INTR	3380	GREAT LEADERS	3
NURS	2205	MATERNITY NURSING	3
SOCY	3310	SOCIOLOGY OF THE FAMILY	3

Courses of Instruction

PR = Prerequisite. These courses must be passed before enrollment in the course in question.

CR = Co-requisite. Must be taken concurrently with the course in question.

S-C&TC = Shared course, coordinated by Community & Technical College.

S-FSU = Shared course, coordinated by University.

ACADEMIC DEVELOPMENT CENTER

ENGL 0092 S-C&TC Basic Reading and Study Skills

English 0092 is recommended for students scoring below a 17 on the Reading portion of the ACT and 75 on the COMPASS test. Basic Reading and Study Skills is strongly recommended for students who have difficulty reading college-level texts, taking notes, and/or preparing for tests. This course not only emphasizes basic reading techniques (such as vocabulary and comprehension enhancement) but also focuses on the specific academic reading and study skills necessary to succeed in college-level courses. This course offers individualized and group instruction for college-level reading tasks, including word recognition, vocabulary and comprehension skills, and for study skills, including time management, textbook comprehension, note taking, and test preparation. Incoming basic literacy is assumed. Credit hours will not apply toward hours required for graduation. Students who wish to improve their academic reading and study habits are encouraged to enroll.

ENGL 0097 S-C&TC Composition Skills 3 hrs.

English 0097 is required of ALL students scoring below an 18 on the English portion of the ACT, below 450 on the SAT (Critical Reading) verbal section, or below 71 on the writing portion of the COMPASS test. This computer-enhanced course focuses on improving skills in written composition to help students develop the skills necessary to earn a "C" or better in English 1104. The course emphasizes the generation of a series of multi-paragraph essays. According to state college system mandates, to earn a Credit in the class and move on to college-level writing, students must be able to write an essay that demonstrates the following characteristics:

- a central idea or thesis;
- an introduction/body/conclusion;
- paragraphs with topic sentences and supporting details;
- complete, grammatical sentences with some variety in syntax;
- appropriate word choice;
- clear flow of ideas from one part to another;
- proficient use of standard English punctuation and spelling.

This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.

MATH 0093 S-C&TC General Math 3 hrs.

The following topics will receive attention in this course: basic operations (adding, subtracting, multiplying, dividing) on whole numbers, fractions, decimals, and percents; operations on integers; interpreting basic statistical information; implementing critical thinking skills to solve problems; and applying mathematics to solving word problems and to daily living. Students will need computer access to use the online homework system required in the class. Students with a COMPASS score below 17 will need to enroll in Math 0093 before enrolling in Math 0094*. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.
*Students with ACT below 19 or SAT below 460 must take COMPASS exam.

MATH 0094 S-C&TC Pre-Algebra 3 hrs.

The following topics will receive attention in this course: operations on positive and negative real numbers; order of operations; solving elementary equations and their applications; operations on polynomial and exponential expressions. Students will need computer access to use the online homework system required in the class. Prerequisite: Math 0093 or a COMPASS score of 17*. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study. *Students with ACT below 19 or SAT below 460 must take COMPASS exam.

MATH 0095 S-C&TC Elementary Algebra 3 hrs.

The following topics will receive attention in this course: order of operations; operations on exponential, polynomial, and rational expressions; solving linear, simultaneous, and quadratic equations in the set of real numbers and their applications; graphing equations and forms of equations of a line; operations on roots and radicals. Students will need computer access to use the online homework system required in the class. Prerequisite: Math 0094 or Compass score of 26 or more*. Students enrolling in this course should be able to manipulate fractions and positive and negative integers and to solve elementary equations. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study. *Students with ACT below 19 or SAT below 460 must take COMPASS exam.

ACCS 1110 Online Tutorial Practicum 1 hr.

This course is designed to equip tutors with the necessary skills to effectively communicate with students in an individual and group setting. The course entails an orientation to tutorial procedures and assignments that emphasize specific skills such as tutoring special populations, tutoring study skills, and recognizing diverse response styles. The course is a requirement for all new tutors; instructor permission is required for registration.

ACCOUNTING

ACCT 1100 S-C&TC Fundamentals of Accounting 3 hrs.

This course provides a brief but comprehensive introduction to accounting. It gives students a basic understanding of accounting principles and procedures used for recording, classifying, and summarizing financial data. Students also learn accounting terminology and are introduced to the financial forms, records, and statements used in the business world.

ACCT 2201 S-FSU Principles of Accounting I 3 hrs.

This course covers fundamental accounting theory and procedures: organization of accounts, the accounting cycle, working papers and the preparation of financial and operating statements for proprietorships.

ACCT 2202 S-FSU Principles of Accounting II 3 hrs.

The second semester of this course is a further study of the accounting process as applied to various business organizations. The two semesters of this course are designed to give students an adequate understanding of the recording, classifying and summarizing of business transactions in order to proceed with the interpretation and analysis of accounting data. This is a basic course for accounting majors, majors in other areas of business administration, and those whose major interest is in economics, political science, law or other professional areas. PR: ACCT 2201.

ACCT 2215 S-C&TC Managerial Accounting 3 hrs.

The managerial accounting course is designed to acquaint students with the use of accounting information for the purpose of managerial control and decision-making. Concepts of cost, profit, and budgeting will be discussed and aspects of performance measurement and evaluation will also be covered. PR: ACCT 2202.

ACCT 2216 S-C&TC Income Tax Procedures 3 hrs.

An introduction to the concepts of income taxation and the applications of these concepts through problem solving with the use of tax forms. May be used as an elective by Accounting Majors. PR: ACCT 2202.

ACCT 2217 S-C&TC Concepts of Computerized Accounting (Quickbooks) 3 hrs.

This course is designed to reinforce topics presented in Principles of Accounting and to introduce the student to computerized accounting methods. Through hands-on computer work, the student will become familiar with accounting software (QuickBooks) and have the opportunity to work in greater depth with accounting topics. Completion of this course will provide students with the skills needed to attain certification in QuickBooks. PR: ACCT 2202.

ACCT 2995 S-C&TC Professional Internship and Portfolio Development 3 hrs.

The purpose of this course is to allow students to bring business topics into focus by using all their collected business knowledge. This will be accomplished through completion of a portfolio that will demonstrate to prospective employers the student's career preparation. Students will also be required to complete a professional internship in the workplace. The importance of career and goal planning will be emphasized. A total of 140 hours of supervised work will be required. PR: Instructor Approval Required. Capstone course.

ACCT 3301 Intermediate Accounting I 3 hrs.

Primarily the study of general financial accounting theory as it relates to balance sheet items. Included is a brief review of the accounting cycle and income recognition theory. Current tax regulations are considered where applicable. PR: ACCT 2202, INFO 2235, COMM 2202.

ACCT 3302 Intermediate Accounting II 3 hrs.

A continuation of ACCT 3301, to include the study of corporate ownership equity and the analysis and interpretation of accounting data. PR: ACCT 3301, MATH 1112, ENGL 1108.

ACCT 3303 Accounting Internship 3 hrs.

The internship course is designed as a learning experience which requires the integration of accounting theory with actual job experience in an accounting, industrial, or governmental organization. To be eligible for this experience, the student must be enrolled in the 4-year accounting program. The employer is responsible for evaluating and reporting the development of the student. This is a Credit/No Credit course. PR: ACCT 3302, Instructor Approval Required.

ACCT 3325 Intermediate Accounting III 3 hrs.

A continuation of the study of financial accounting theory and practices. Topics include accounting for income taxes, pensions and other post-retirement benefits, leases, cash flows, and disclosure standards. PR: ACCT 3302.

ACCT 3330 Advanced Accounting I 3 hrs.

Includes accounting for special situations: partnerships, installment and consignment sales, home office-branch relationships, consolidations, and fund accounting. Attention is focused on the current AICPA position relative to these special accounting situations. PR: ACCT 3302.

ACCT 3331 Advanced Accounting II 3 hrs.

A continuation of ACCT 3330; exploration of advanced accounting topics. PR: ACCT 3330.

ACCT 3350 Accounting Information Systems. 3 hrs.

This course is designed to introduce students to accounting information systems. It focuses on understanding the different types of accounting systems, their internal controls (including security issues), development, and information systems auditing concepts. PR: ACCT 2202.

ACCT 3399 Special Topics in Accounting 1-6 hrs.

Advanced studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree programs.

ACCT 4404 Cost Accounting 3 hrs.

The relationship of cost accounting to the performance of management's pursuit of company objectives is studied with 4 basic points of view in mind: cost principle, determination, control and analysis. PR: ACCT 2202.

ACCT 4405 Auditing 3 hrs.

A study of the philosophy, environment, and procedures of auditing, and the legal, social and professional responsibilities of the auditor. PR: ACCT 3302, ACCT 3350.

ACCT 4406 Federal Income Tax Accounting: Individual 3 hrs.

This course covers preparation of income tax returns from the accounts of an individual; exclusions and inclusions for gross income, capital gains and losses, business expenses, and other deductions.

ACCT 4407 Federal Income Tax Accounting: Partnership and Corporation 3 hrs.

Continuation of 4406, including preparation of income tax returns from accounts of partnerships, estates and trusts and corporations. While previous accounting knowledge or experience will be helpful, no prior accounting training is required. PR: ACCT 4406.

ACCT 4408 Income Tax Return Preparation 3 hrs.

Students will participate in the Volunteer Income Tax Assistance (VITA) program as administered through the Internal Revenue Service. Students must successfully pass the IRS certification exam. Once certified, students will prepare income tax returns primarily for low income and elderly taxpayers who cannot afford to pay for professional tax assistance. This course requires participation at various off-campus locations during arranged hours. This course may be repeated for credit. PR: ACCT 4406.

ACCT 4410 Case Studies in Accounting 3 hrs.

Writing Intensive

This course is designed to provide stimulus for critical analysis of accounting, finance, and ethics problems. Emphasis is placed on research, organization of data, critical analysis, communication of conclusions, and presentation skills. Through case studies, students will enhance their problem-solving skills by formulating solutions to problems which are encountered in accounting environments. PR: ENGL 1108, ACCT 3325, ACCT 4405.

ACCT 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

ALLIED HEALTH

ALLH 1110 S-FSU Pharmacology I 1 hr.
The first course of three is designed to introduce basic concepts of classification, action and implications related to the administration of medications within the context of the body's organ systems. Content to be emphasized, but not limited to, include drugs used for problems with pain control, fluid and electrolytes, maternal-newborn, and the immune, gastrointestinal and reproductive systems. PR: Students must be admitted to the School of Nursing, NURS 1100 and 1101. CR: NURS 1108 and NURS 1109.

ALLH 1199 Special Topics in Allied Health 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the School's dean. Credits earned will be applicable as free electives in degree and certificate programs. Course is offered as needed.

ALLH 2110 Pharmacology II 1 hr.
The second course of three is designed to introduce the basic concepts of classification, action and implications related to the administration of medications within the context of the body's organ systems. Content to be emphasized, but not limited to, include drugs used for problems with mental health and the nervous, musculoskeletal, respiratory, cardiac and renal systems. PR: Students admitted to the School of Nursing, ALLH 1110 and BIOL 2205. CR: NURS 2203 and NURS 2208.

ALLH 2210 Pharmacology III 1 hr.
The third course of three is designed to introduce the basic concepts of classification, action and implications related to the administration of medications within the context of the body's organ systems. Content to be emphasized, but not limited to, include the use of medications in critical and complex situations and with children. PR: Students admitted to the School of Nursing, ALLH 2110 and NURS 2208. CR: NURS 2209 and NURS 2212.

ALLH 3301 Health Care Organizations 3 hrs.
Organization, current legislation and the roles and relationships of the health care professions are discussed in detail. Emphasis is placed upon roles of hospital management with emphasis on comprehensive health care in hospitals and extended care facilities. Responsibility of the health care agency regarding competent and responsible care of patients is defined. Organization patterns in health care agencies, as well as, contributions of health professionals and paraprofessionals in meeting human needs will be emphasized. Fall Semester only.

ALLH 3302 Management Problems of the Health Care Delivery System 3 hrs.
Health care system processes including outpatient and primary care services, inpatient facilities and services, managed care and integrated organizations, long-term care, and health services for special populations are defined and discussed. Regulations, legislation, growth, and decline of each health care service are emphasized. The future of health services delivery and related opportunities and issues are also discussed in detail. PR: ALLH 3301. Spring Semester.

ALLH 3341 Death and Dying 3 hrs.
This course analyzes the impact of complex social change on death, humanity's most enduring mystery and most powerful taboo topic. Included are the study of past circumstances and future possibilities; death and dying from individual, family, and social/cultural perspectives; and examination of the concept from the perspectives of diverse academic disciplines, from history and sociology through medicine and psychology to literature and ethics. Also included are such controversial topics as life after death, care of the dying patient, funerals, and moral and ethical dilemmas. Fall Semester only.

ALLH 3372 Legal and Medical Ethics 3 hrs.
This course is designed to acquaint the student with the legal and ethical responsibilities of the administrator involved in health care. Emphasis is placed upon legal issues, as well as, legal responsibilities and liabilities. Spring Semester only.

ALLH 3399 Special Topics in Allied Health Administration 1-6 hrs.
Studies in special selected topics in health administration and management are determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives. Must be arranged in advance.

ALLH 4401 Allied Health Practicum and Seminar 4 hrs.
Writing Intensive
This capstone course includes both theory and clinical components. Students, in conjunction with their instructor and preceptor, will design an administrative field experience which will culminate in completion of the program's graduate outcomes. During the practicum experience the students will further develop management and leadership skills while interacting with middle managers in their selected fields and by conducting a change project within their agency. This writing intensive course includes journaling, online discussions, research papers, and powerpoint poster presentation. Last semester of program. Spring semester only. PR: ENGL 1108.

ALLH 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

AMERICAN SIGN LANGUAGE COMMUNICATION PROGRAM

AMSL 1101 Deaf Culture and History 3 hrs.
This online course provides an introduction to Deaf culture. Students will study Deaf history from the 1800s to the present.

AMSL 1104 ASL Fingerspelling 1 hr.
This course will develop skill in expressive and receptive fingerspelling and numbers with emphasis on the proper form and use of the manual alphabet and numbers. Students will fingerspell fluently, accurately, and concisely. Spring semester only. PR: AMSL 1111.

AMSL 1105 Introduction to American Sign Language 2 hrs.
This course introduces an array of vocabulary and skill sets required to learn American Sign Language. Vocabulary and skill sets include: people, cities, states, numbers, and basic conversation. Fall semester only. ASL Majors only.

AMSL 1108 ASL Classifiers 3 hrs.
Students explore, analyze and perform American Sign Language Classifiers. Classifiers are used to show movement, location and appearance. Emphasis is placed on the purpose, use of space, developing and demonstrating classifiers using appropriate handshapes, as well as the use of proper non-manual markers. ASL Majors only.

AMSL 1111 American Sign Language I 3 hrs.
In this course attention is given to the proper syntax and basic grammatical constructs. Over 500 signs will be used in this course enabling the student to express basic ideas. Non-verbal and pantomime will be emphasized. This course consists of 6 hours of lecture and 3 hours of lab per week. This course is offered the first eight weeks of the fall semester. Fall semester only.

AMSL 1112 American Sign Language II 3 hrs.

Students continue to develop sign vocabulary with an introduction to idiomatic phrases. Emphasis will be placed on the use of classifiers, expressions, body posture, and signing space. AMSL 1112 is an eight week class requiring 6 hours of lecture and 3 hours of lab each week. This course is offered the second eight weeks of the fall semester. CR: AMSL 1111. Fall semester only.

AMSL 1113 American Sign Language III 3 hrs.

This course intensifies sign vocabulary. Students use familiar signs and learn the differences in meaning through the use of non-manual gestures. Students will be able to engage in full conversations using the nature context of American Sign Language. This course is an eight week class requiring 6 hours of lecture and 3 hours of lab each week. This course is offered the first eight weeks of the spring semester. PR: AMSL 1112. Spring semester only.

AMSL 1140 Non-Manual Signals 3 hrs.

Students focus on grammar features, producing and recognizing how the functions of non manual signals affect the structure of ASL at the phonemic, morphological, syntactic and semantic level. Fall semester only. ASL Majors only.

AMSL 1995 American Sign Language IV 3 hrs.

Slang,"home signs", idioms and signs that have become obsolete or are native to specific geographic areas are learned and used. This course is an eight week class requiring 6 hours of lecture and 3 hours of lab each week. This course is offered the second eight weeks of the spring semester. CR: AMSL 1113. Spring semester only. Capstone course.

APPLIED DESIGN

APPD 1101 S-C&TC Principles of Clothing Construction 3 hrs.

The student will study the application of principles of clothing construction in relationship to selection of compatible fabric and design to produce garments for individuals. The student will use various fabrics during the development of construction techniques, and will study the use and care of equipment and the techniques in pattern alterations.

APPD 1102 S-C&TC Apparel Design 3 hrs.

This course explores the fashion design industry from creation of the designer collection through retail merchandising. The students will create their own collection and develop a merchandising plan. Apparel design software will be used, in addition to traditional design and rendering techniques.

APPD 1103 S-C&TC Clothing and Culture 3 hrs.

This course is a cross-cultural study of clothing for the individual, family, and special needs groups. The course will cover fashion trends, fashion terminology, clothing and behavior, color and computer-aided body analysis, professional dress and management, and socio-psychological aspects of clothing.

APPD 1115 Introduction to the Fashion Industry 3 hrs.

An overview of the fashion industry, past and present, with emphasis on career opportunities, the impact of fashion on world economy, and the fashion marketing system from manufacturer to consumer.

APPD 1116 S-C&TC History of Contemporary Fashion 3 hrs.

The study of historical costume from ancient times through modern costume will be covered to understand the impact of historical costume on contemporary design. Students will participate in restoration and display of period garments from the Masquers Historical Costume Collection.

APPD 1140 Introduction to Interior Design 3 hrs.

This course will include historical overview covering architectural and furniture periods, materials and components of Interior Design, and the design process through an introduction to drafting tools and techniques.

APPD 1151 Design Concepts 3 hrs.

This course will explore the principles and elements of design and will allow students to apply their knowledge in a series of projects, both two and three dimensional with a variety of materials and media. Focus will be on how the basic principles apply to Fashion and Interior Design.

APPD 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

APPD 1199 Special Topics in Applied Design 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

APPD 2202 Advanced Apparel Design 4 hrs.

This course further develops student design abilities through the creation of an original collection. The role of the designer from fashion concept through merchandised products will be studied with emphasis on design principles and elements, silhouette, style, and fabrication in a variety of apparel categories. Computer based design will be included. Emphasis is on developing an original collection and portfolio development. PR: APPD 1102

APPD 2210 S-C&TC Textiles 3 hrs.

The study of textile fibers from origin to end use will be covered. Consideration will be given to properties of textile fibers in relationship to performance and use, textile selection, maintenance for apparel and home furnishings, and textiles in the world economy.

APPD 2217 Visual Merchandising 3 hrs.

Visual merchandising for retail stores will be covered in this course. Both window and interior display will be included. Students will plan a store layout to include visual display areas. The student will plan and execute creative displays, applying principles of merchandise selection, development of a theme, props and layout, lighting, and targeting the customer, at in-house and/or off campus sites. PR: APPD 1115 or 1140.

APPD 2240 Residential Design 4 hrs.

Coordination of interior design components allows the students to develop and apply complete room plans and decorating schemes for various residential and commercial applications. Color, lighting, space needs and materials are covered. PR: APPD 1140.

APPD 2250 S-C&TC Design in Home Furnishings 3 hrs.

The principles and elements of design are explored through an examination of home furnishings and accessories. The course will include a study of interior textiles, furnishings, window treatments, and the appropriate selection of enrichment accessories. Computer-aided design will be included.

APPD 2255 Kitchen and Bath Design 3 hrs.

This course focuses on the coordination of interior design components. Through this course the students will develop and apply complete space plans, floor plans, and design schemes for Kitchen and Bath applications. The students will use kitchen specification plan guidelines to build cabinet components as well as using appropriate multipliers to determine retail, cost, and selling pricing of their finished product and design. In addition, areas of appropriate cabinetry, kitchen mechanical systems, Drawing and Presentation standards, electrical/lighting, appropriate placement of materials, finishes, codes, function of space, and equipment are covered. PR: APPD 1140.

APPD 2260 Contract Design 4 hrs.
This course covers the design of various non-residential and public spaces with an emphasis on space planning, presentation skills, professional practices, interior systems, furnishings, and equipment. Students explore space as it relates to functional and aesthetic requirements including commercial code and access issues. Emphasis is on portfolio development. PR: APPD 1140

APPD 2289 Guided Experience II VAR 1-4 hrs.
This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

APPD 2295 Guided Design Seminar 4 hrs.
A seminar for Interior Design or Fashion Design students that will require students to select a project, research the problem, and make a final juried presentation. PR: APPD 2217 or APPD 2240.

APPD 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

APPD 2995 Applied Design Practicum 4 hrs.
Students will be placed in various businesses in the interior or fashion field to provide on-site training and experience. Preparation of an electronic portfolio and resume will be included. PR: APPD 1115 or APPD 1140. Capstone course.

ARCHITECTURE

ARCH 1130 S-FSU Architectural History I 3 hrs.
This course covers architectural history from prehistoric times through the Gothic period. The emphasis will be on the historical, social and technological factors behind the structures discussed.

ARCH 1160 S-FSU Architectural History II 3 hrs.
This course is a continuation of architectural history, covering the Renaissance period to the present. The emphasis will be on the historical, social and technological factors behind the structures discussed. PR: ARCH 1130.

ARCH1199 Special Topics in Architecture 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

ARCH 2200 Graphics 3 hrs.
This course is an introduction to architectural presentation drawings. The course emphasizes rendering techniques and perspective drawing.

ARCH 2210 Design I 4 hrs.
Introduction to developing design methodology and its integration into the process of design. Topics include form studies and theory, and incorporation of these into the design of architectural elements. Introduction of sketching, graphic and modeling skills to communicate design concepts. Emphasis on developing the student's presentation skills. PR: ARCH 1160, 2225, ART 1111

ARCH 2225 Architectural CADD 3 hrs.
Introduction to computer-aided drafting and design. Will include an introduction to the basic drawing processes of the computer and subsequent application to design solutions in architecture.

ARCH 2250 Design II 4 hrs.
A continuing study of design methodology as applicable to the design of simple structures. Emphasis on tectonics, as well as the nature of materials and the site. Further development of sketching, graphic and modeling skills as students learn to understand, interpret, and represent spaces and receive further training in presentation skills. Students will develop a first-year design portfolio. PR: ARCH 2210.

ARCH 3300 Design III 4 hrs.
This class encompasses the investigation, synthesis and communication of characteristics of the built environment. Material covered includes programming of a building with respect to function, user, and site, and exploration of energy conservation and solar application. Students will develop a more advanced level of design, graphic skills, and 3-dimensional modeling. PR: ARCH 2250, CR: ARCH 3320.

ARCH 3310 Construction Details and Materials 4 hrs.
This course is a comprehensive exploration of materials, structural systems and details in the context of commercial building design. Students will produce a set of working drawings for an architectural office setting. Baccalaureate majors only. PR: CIVL 2220, CR: ARCH 4450.

ARCH 3320 Site Planning 3 hrs.
This course covers site analysis and the process of optimizing the relationship of a building to its site, taking into account the building's program and the natural environment. PR: ARCH 2250.

ARCH 3350 Design IV 4 hrs.
This course explores architectural design in the context of the urban setting. Topics include urban design, historic preservation and the social impact of the built environment. Cultural and behavioral patterns will be explored. Students will develop further their modeling skills, graphic communication, and oral communication. A second year portfolio will be developed. PR: ARCH 3300; CR: ARCH 4420.

ARCH 4420 Urban Design and Preservation 3 hrs.
This course explores urban planning and the application of its basic principles to an urban context. History of urban design, urban development and historic preservation will be discussed and applied to design projects. PR: ARCH 3300, CR: ARCH 3350.

ARCH 4430 Mechanical and Electrical Systems 3 hrs.
Introduction to the design of mechanical and electrical systems. PR: ARCH 2250.

ARCH 4450 Design V 4 hrs.
This course encompasses architectural design as an integration of design concept and building technology. Concepts synthesized in the design process include structural systems, mechanical systems and building materials, as well as more sophisticated building design. Advanced graphic communications will be combined with computer applications. Baccalaureate majors only. PR: ARCH 3350, CR: ARCH 3310.

ARCH 4460 Design VI 4 hrs.
Writing Intensive
Students in this class will execute comprehensive architectural designs of their own choice with the approval of the instructor. Concentration in the project may be in building technology, urban design, historical design, theory, environmental design or another approved topic. The student will develop the design concept, conduct research, develop the form and express the design of the structure at

a sophisticated level of graphic and 3-dimensional skills. A third-year portfolio will be completed. PR: ENGL 1108 and ARCH 4450.

ARCH 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

ART

ART 1111 Art Fundamentals 3 hrs.
An introduction to the elements and principles of design and the creative design process. Students will explore various media and techniques in two- and three-dimensional art forms. Architecture majors only.

ART 1120 S-FSU Art Appreciation 3 hrs.
This introductory course is a study of art of the Western world. It explores the emergence of new forms and salient factors contributing to changes in art from prehistoric Europe to the contemporary West. The works of art are presented within their historical contexts.

ART 1140 S-FSU Design I: 2D 3 hrs.
The elements and principles of two-dimensional design are explored in this Foundations course. Students learn the vocabulary of two-dimensional design, and apply scholarly responses to visual images. Students explore, through visual problem-solving, issues of composition, color theory, content, and presentation. Students work with a variety of two-dimensional media in this studio course. Reading and writing assignments accompany studio coursework.

ART 1141 S-FSU Design II: 3D 3 hrs.
The elements and principles of three-dimensional design are explored in this Foundations course. Students learn the vocabulary of three-dimensional design, and apply scholarly responses to visual images. Students explore, through visual problem-solving, issues of space, inherent properties of materials, and content in the three-dimensional realm. Students work with a variety of three-dimensional media in this studio course. Reading and writing assignments accompany studio coursework.

ART 1142 S-FSU Drawing I: Foundations of Drawing 3 hrs.
The development of technical skills in various media, stressing observation, memory training and composition.

ART 1199 Special Topics in Art 1-12 hrs.
Studies in selected areas of specialization, to be determined by the instructor and approved by the School's Chair. Credits earned will be applicable as free electives in degree or certificate programs. Three hours maximum credit per semester.

ART 2230 Gallery Management 3 hrs.
Gallery Management is a course designed to teach students the basic techniques and practices of a gallery curator or museum assistant. All phases of planning and implementing an exhibition, or a series of exhibitions, will be considered. Students will be involved in all aspects of the day-to-day management of the Brooks Gallery. May be repeated once. Offered Fall and Spring.

ART 2241 S-FSU Drawing II: Drawing from Life 3 hrs.
Drawing from the posed model, accompanied by analytical studies of anatomy. PR: ART 1140 and 1142. Spring semester only.

ART 2245 E. Foundations 3 hrs.
This course is designed to introduce students to the elements and principles used in the production of contemporary works of art. Electronically based programs will be explored in conjunction with theories and practices of selected contemporary artists.

ART 2261 S-FSU Painting I: Foundations of Painting 3hrs.
An introductory course, exploring techniques of paint application and painting supports, while painting from still-life and landscape. PR: ART 1140 and 1142.

ART 2262 Painting II: Intermediate Painting 3 hrs.
An introductory course using oil paint to explore techniques of paint application and painting supports while working from the live model. PR: ART 2241 and 2261. Pre-Art and Art Majors only.

ART 2283 S-FSU Sculpture I: Foundations of Sculpture 3 hrs.
Introductory course using clay modeling, plaster and metal sculpture. PR: ART 1141.

ART 2284 Sculpture II 3 hrs.
Advanced work in various sculptural media: metal casting, carving, constructions, etc. PR: ART 2283.

ART 3341 Printmaking I 3 hrs.
Introduction to various techniques in printmaking as an artistic expression. PR: ART 1140 and 1142. Spring semester only.

ART 3342 Printmaking II 3 hrs.
Printmaking II is an intermediate to advanced level printmaking studio course in which students utilize skills and processes learned in Printmaking I to further develop images in various media. PR: ART 3341.

ART 3345 E. Intermediate 3 hrs.
This course is designed around the knowledge learned in E. Foundations and is applied at an intermediate level. Students will be expected to use artistic approaches to electronic media and contemporary theory to solve studio problems. Class time will be given to the design and creation of original works of art. PR: ART 2245.

ART 3350 Elementary Art Education 3 hrs.
An introduction to teaching art in the elementary classroom, the course focuses on fundamental principles of artistic development in children, and within that context, provides rationales and methodology for recognizing, creating and utilizing quality art curricula in elementary classrooms. National Standards in Art Education are used as the framework for content, skills, and materials utilized and applied in the course.

ART 3355 Problems in Teaching Art I 2 hrs.
The student will define art problems, describe the teachable aspects of art, examine what motivation is in art and in connection with particular art problems and produce some art objects utilizing media and materials generally obtainable in most elementary schools. Pre-Art and Art Majors only.

ART 3356 Problems in Teaching Art II 2 hrs.
The student will define art problems on the secondary level, examine how skill and success are related in studio art, utilize historical art examples, observe how art and society are related, define what is teachable in art and select specific art problems in conjunction with the age level and interests of secondary students. PR: ART 3355. Pre-Art and Art Majors only.

ART 3361 Painting III: Intermediate Landscape Painting 3 hrs.
Personal development in painting from the landscape with oil or acrylic paint. PR: ART 2261, 2262. Fall semester only.

ART 3362 Painting IV: Intermediate Figure Painting 3 hrs.
Personal development in painting from the live model with oil or acrylic paint. PR: ART 2262.

ART 3363 Intermediate Water Media I 3 hrs.
Introductory course in the fundamental techniques of watercolor, while painting from still-lifes and landscape. PR: ART 1141, 2241.

ART 3364 Advanced Water Media II 3 hrs.
Continuation of ART 3363, emphasizing advanced techniques and individual creative development. PR: 3363.

ART 3374 Art History from Prehistory to 1450 3 hrs.
Writing Intensive
The major monuments and periods of the history of art will be discussed within their historical and cultural contexts, from prehistory to the end of the Middle Ages. Students will be expected to understand the religious, political and technical concepts which underpin these ideas as they relate to Western and non-Western cultures. Offered once every year. PR: ENGL 1108.

ART 3376 Art History from 1450 to 1750 3 hrs.
Writing Intensive
The major movements and artists associated with the Renaissance, Baroque and Rococo movements will be investigated within their historical and cultural contexts. Students will consider the theory and criticism appropriate to these periods, together with primary texts produced by the artists. Offered once every year. PR: ENGL 1108.

ART 3378 Art History from 1750 to 1950 3 hrs.
Writing Intensive
This course will consider the major movements and artists from the Neo-Classical through the Modern periods. The monuments will be examined within the context of their historical, political and cultural milieux, with the theory and criticism of the various movements given serious study. Offered once every year. PR: ENGL 1108.

ART 3380 Art History since 1950 3 hrs.
Writing Intensive
The major movements and artists associated with the developments of European and American art since 1950 will form the basis for the course. The issues will be set within their historical, aesthetic and critical contexts. Both the history of art and of theory will be considered. Offered once every year. PR: ENGL 1108.

ART 3383 Pottery I 2-3 hrs.
Introduction to basic ceramic techniques such as hand construction, the potter's wheel, glazing and kiln firing.

ART 3384 Pottery II 2-3 hrs.
Advanced work in ceramic sculpture, wheel-thrown ceramics, glaze theory, kiln firing and kiln construction. PR: ART 3383.

ART 4431 Methods and Materials in Teaching Art 3 hrs.
Planning for, and examination of, problems for junior and senior high schools. Coordinated with the Education Department and the public schools. Designed for student teachers and teachers in-service. PR: ART 3356. PPST (passing score).

ART 4445 E. Advanced 3 hrs.
An advanced E. Media class intended for students to continue ideas conceived in ART 3345 E. Intermediate and culminating in the creation of a body of work for studio or commercial purposes. PR: ART 3345.

ART 4461 Painting V: Advanced Landscape Painting 3 hrs.
Development of individual creative expression in oil or acrylic, working from the landscape. PR: ART 3361. Studio Art Majors only.

ART 4462 Painting VI: Advanced Figure Painting 3 hrs.
Development of individual creative expression in oil or acrylic while working from the live model. PR: ART 3362. Studio Art Majors only.

ART 4463 Advanced Painting Concepts 3 hrs.
An advanced painting class in oil or acrylic, designed for those students who intend to prepare a professional portfolio for graduate school. The student is expected to explore his/her creative abilities while experimenting and bringing together the landscape and figure into a series of large paintings for exhibition purposes. PR: ART 2262. Instructor Approval Required. Studio Art Majors only.

ART 4464 Pottery III 3 hrs.
The student is permitted to select the medium and then explore all the technical and creative possibilities that it permits. PR: ART 3384.

ART 4465 Sculpture III 3 hrs.
The student is permitted to select the medium and then explore all the technical and creative possibilities that it permits. PR: ART 2284.

ART 4467 Area Studies I 3 hrs.
Options in drawing, painting, pottery, sculpture, cross media, and printmaking. Completion of 3000 level courses in the medium that the student selects. Art or Art Education Majors only.

ART 4468 Area Studies II 3 hrs.
Options in drawing, painting, pottery, cross media, printmaking and sculpture. Completion of 3000 level courses in the medium that the student selects. Art or Art Education Majors only.

ART 4469 Area Studies III 3 hrs.
Options in drawing, painting, pottery, cross media, printmaking and sculpture. Renewable for credit up to six hours in the same discipline. Completion of 3000 level courses in the medium that the student selects. Art or Art Education Majors only.

ART 4470 Senior Exhibit 1 hr.
Required of all art majors during their senior year: to organize and present a formal gallery exhibition of pieces selected from their college work. Digital images of this exhibition are to be retained in the Art Department's archives. Instructor Approval Required. Studio Art Majors only.

ART 4471 Capstone Experience in Art 3 hrs.
This course is required of all Studio Art and Art Education majors during their senior year. The student will organize and present a formal gallery exhibition of selected recent work or an educational project based on educational theory and studio practice or possible collaboration with a PDS, as appropriate to college courses and experience. Digital images of this work will be retained in the Art Department's archives. Art Education Majors only. Instructor Approval Required.

ART 4472 Virtual Exhibition 3 hrs.
Virtual Exhibition will be the capstone experience in Art for the Graphics/Fine Arts and Cross-Media tracks. Students will research current trends in the exhibition of similar work and present an exhibition of their most recent electronic and/or cross-media or multi-media work. Digital images of all work submitted for exhibition will be retained in the Art Department's archives. Studio Art Cross-Media Majors only. Instructor Approval Required.

ART 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their

discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Art and Studio Art Majors only. Instructor Approval Required.

AVIATION

AVMT 1101 Introduction to Aviation Maintenance 3 hrs.
A study of the fundamentals of Aviation Maintenance. Topics include: aircraft familiarization, nomenclature, materials, hardware used on aircraft, theory of flight, and basic physics. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 1102 Aircraft Regulations & Publications 3 hrs.
A study of federal aviation regulations, maintenance publications, weight and balance, technical drawings, charts and graphs. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 1103 Aviation Shop Practices 3 hrs.
A study of the use of basic hand tools and power equipment, shop safety, aircraft fluid lines and fittings, aircraft cleaning and corrosion control. The use and care of precision measuring equipment and the use and interpretation of various non-destructive inspection methods. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 1105 Aircraft Utility Systems 3 hrs.
This course covers the areas of airframe ice and rain control systems, fire protection systems, (airframe and engine), and fuel systems (airframe and engine). Also included are transport aircraft systems including doors, lavatory systems, galley systems, passenger service units, windows, emergency equipment, and cargo loading systems. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 1109 Aviation Electronics 3 hrs.
This course examines the fundamental principles of electronics as applied to aircraft electrical systems. Specific topics covered include AC/DC, series-parallel circuits, circuit analysis theorems, transistors, digital theory and devices. Meets FAR 147 requirements. CR: Math 1101. Must have a"C"grade or better to pass.

AVMT 1199 Special Topics in Aviation 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

AVMT 2201 Reciprocating Engines and System 3 hrs.
This course is a study of the theory of operation of reciprocating engines and their systems. The course emphasizes the principles of operation, nomenclature, construction and system design. PR: AVMT 1101, 1102. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2202 Aircraft Sheet Metal Structures 3 hrs.
This course covers all aspects of sheet metal structures and aircraft welding. A strong emphasis is placed on acquiring hands-on skills. PR: AVMT 1102, 1103. Meets FAR 147 requirements. Must have a"C" grade or better to pass.

AVMT 2203 Reciprocating Engine Maintenance and Return to Service 5 hrs.
This course emphasizes the hands-on maintenance and overhaul of piston engines. Topics include engine removal, replacement, troubleshooting, inspection, engine maintenance and overhaul, system component repair, inspection, and troubleshooting. PR: AVMT 1101, 2201. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2204 Aircraft Propeller and Control Systems 3 hrs.
A detailed study of propellers, their components, operation and maintenance. PR: AVMT 1101, 2201. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 2205 Turbine Engines and Systems 3 hrs.
A study of the theory of operation of turbine engines and their systems. This course emphasizes the principles of operation, nomenclature, construction and system design. PR: AVMT 1102, 1103. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 2206 Aircraft Fluid Power and Landing Gear Systems 3 hrs.
A detailed study of aircraft hydraulic, pneumatic and landing gear systems. This includes a study of wheels, tires and brakes found in aircraft landing gear systems. The course will cover many aircraft systems from small general aviation aircraft up to and including transport category aircraft. PR: AVMT 1103. Instructor Approval Required. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2207 Turbine Engine Maintenance and Inspection 3 hrs.
This course emphasizes the hands-on maintenance, overhaul, repair, troubleshooting, and inspection of turbine engines and their systems. PR: AVMT 1103, 2205. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 2208 Cabin Atmosphere Control Systems 3 hrs.
This course is a detailed study of aircraft heating, oxygen, air conditioning, and pressurization systems. Large airliner systems will be covered. PR: AVMT 1101, 1102. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 2209 Airframe Inspection and Flight Control Systems 3 hrs.
A detailed study of aircraft control surfaces, including operation, assembly and rigging. Airframe inspection procedures are also covered. PR: AVMT 1101, 1102. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 2210 Non Metallic Structures 3 hrs.
A study of wood, fabric, composite and plastic aircraft structures; also covered is the finishing of these structures. PR: AVMT 1101, 1102. Meets FAR 147 requirements. Must have a"C"grade or better to pass.

AVMT 2211 Aircraft Avionics and Information Systems 3 hrs.
This course will provide an overview of the communications, navigation, and instrument systems of the aircraft and power plant. Course outcomes will equip aviation maintenance technicians with the necessary knowledge, skills and work practices to positively impact their knowledge in advanced avionics and information systems. PR: AVMT 1109. Must have a"C"grade or better to pass.

AVMT 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

AVIATION ADMINISTRATION

AVMA 1100 Aircraft Flight Theory 3 hrs.
A study of the subject areas and information needed to operate as a private pilot in the aviation environment. Must have a"C"grade or better to pass.

AVMA 1101 Private Pilot Technology 3 hrs.
The course is designed to provide successful Private Pilot candidates with the basic skills and knowledge necessary for certification as a Private Pilot under Part 141, Appendix B, of the

Federal Air Regulations. The course will consist of approximately 45 contact hours of classroom based ground school instruction. Students are expected to immediately take the Private Pilot Knowledge Test upon completion of their Private Pilot Ground School component.

AVMA 1102 Introduction to Air Traffic Control 3 hrs.

This course provides a description of basic air traffic control procedures and phraseology used by personnel providing air traffic control services. Topics include the history of air traffic control, definitions, basic phraseology, airspace utilization, and air navigation and Federal Aviation Administration rules governing air traffic control. Must have a "C" grade or better to pass.

AVMA 1103 Private Pilot Technology Lab 3 hrs.

After successfully completing the lab requirements under Part 141, Appendix B, of the Federal Aviation Regulations, students will be endorsed to take the Private Pilot Practical Flight Exam. Five hours of the Private Pilot flight training may be conducted in the Flight Training Device (FTD). Upon completion of all flight requirements, in accordance with Practical Test Standards, students will be issued a Private Pilot Certificate.

AVMA 1109 Air Rescue Fire Fighting 3 hrs.

This course is designed to provide the beginning student with a basic understanding of the principles and methodology of Air Rescue and Fire Fighting in aircraft incidents both on and off the airfield. It reviews the physics of fire and the different types of fires that are extinguished during the first responders handling of different aircraft emergencies. The student will be able to identify the different types of fire fighting retardants and the correct application of each. The student will be trained in the correct procedures for approaching aircraft in emergency situations, gaining access to crashed aircraft, the safe extraction of survivors, and basic triage procedures. The students will also be able to explain how to secure a crash site and the damaged aircraft. They will also have an understanding of the handling of hazardous materials at the scene of an incident. PR: Major in Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

AVMA 1199 Special Topics 1-12 hrs.

A study of special topics of educational, technical or industrial concern. Must have a "C" grade or better to pass.

AVMA 2201 Instrument Pilot Technology 3 hrs.

The course is designed to provide successful Instrument Pilot candidates with the basic skills and knowledge necessary for certification as Instrument rated Private Pilot in accordance with the minimum requirements as set forth in Part 141, Appendix C, of the Federal Air Regulations. The course will consist of approximately 45 contact hours of classroom based instrument ground school instruction. Students will be expected to immediately take the FAA approved Instrument Pilot Airman Knowledge Test upon completion of their Instrument Ground School component.

AVMA 2204 Instrument Pilot Technology Lab. 3 hrs.

The lab portion of this course is designed to provide successful Instrument Pilot candidates with the basic skills and knowledge necessary for certification as Instrument rated Private Pilot in accordance with the minimum requirements as set forth in Part 141, Appendix C, of the Federal Aviation Regulations. Students are required to have a minimum of 35 hours of logged instrument flight training (total flight hours may vary depending on individual student ability). Fourteen hours of the instrument flight training may be conducted in a Flight Training Device (FTD). Students will be signed-off to take the Instrument Pilot Practical Flight Exam required for FAA certification upon successful completion of all flight requirements. PR: Private Pilot certification. Must have a "C" grade or better to pass.

AVMA 2206 Aviation Security 3 hrs.

This course is designed to provide the beginning student with a basic understanding of the history of aircraft security in the aviation industry. The changing nature of aviation security over the years and how it has impacted society will be discussed. It will discuss and analyze the different methodologies of aviation security both in domestic and foreign methodologies. The course will also examine the industries responses to the changes in aircraft security in both general, corporate, and transport aviation. It will also address the needs of aviation personnel for security both in the air and on the ground. PR: Major in Homeland Security or Pre-Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2207 Aviation Safety 3 hrs.

This course introduces the student to various aspects of aviation safety, including flight safety, ground safety and management and planning for safety in aviation. Case studies of individual aviation incidents, safety studies and accidents will be presented. The course is also listed as AVMA 3307 for Baccalaureate majors.

AVMA 2210 Aviation Meteorology 3 hrs.

A survey of the basic concepts and processes of atmospheric phenomena and their relation to aeronautical conditions. Must have a "C" grade or better to pass.

AVMA 2211 Airport Management 3 hrs.

This course presents a study of airfield operations, and management with a focus on the role of the airport manager, the role of the airport in the community, budgeting, marketing and tenant relationships. Must have a "C" grade or better to pass.

AVMA 2213 Airport Planning and Development 3 hrs.

The principles of airport system planning and airport master planning will be studied. Airport design standards, historical evolution of airports, key airport legislation and environmental impact planning for airports are key course topics. Must have a "C" grade or better to pass.

AVMA 2214 Advanced Air Traffic Control Procedures 3 hrs.

This course is designed to prepare the student to successfully complete the FAA Air Traffic Controller screening exams. Topics covered include: Tower procedures, aircraft separation, departures/arrivals, and special procedures. Must have a "C" grade or better to pass.

AVMA 2225 Airline Transport Security 3 hrs.

This course is designed to provide the beginning student with a basic understanding of the airline transport security system currently in use at major airports around the world. The student will be trained in security considerations at both the airport terminal and in the air. The student will be familiar security requirements as set by the Transportation Security Administration.

The student will demonstrate knowledge of security responsibilities of screeners and other security personnel, submission to screening and inspection, procedures security and handling of interference with screening personnel, carriage of weapons, explosives, and incendiaries by individuals. The student will demonstrate knowledge of security of a secured area, security of the air operations area, security of the security identification display area, access control systems, and Law enforcement support. The student will be trained in procedures currently in place to provide in-flight safety of the crew and airline passengers. PR: Major in Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2230 Certified Flight Instructor 3 hrs.

This course provides the Pilot Technology students the basic knowledge required to pass the FAA Fundamentals of Instruction and Flight/Ground Instructor knowledge Exam. Furthermore this course will increase your knowledge of flight operations and allow you to master new skills. The student will gain understanding of the fundamentals of instruction, the Federal Aviation Regulations as well as the principles of teaching, private, commercial, and instrument students.

AVMA 2231 Certified Flight Instructor Lab 3 hrs.

This course lab provides the Pilot Technology students with the basic knowledge required to pass the FAA Fundamentals of Instruction and the Flight/Ground Instructor knowledge exam. Furthermore this course will increase your knowledge of flight operations and enable the student to master new skills required by the Federal Aviation Administration (FAA). The student will gain an understanding of the fundamentals of instruction, the Federal Aviation Regulations as well as the principles of teaching, private, commercial, and instrument students. This course may be taken after completion of CFI Certification by FAA.

AVMA 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

AVMA 2299 Special Topics 1-12 hrs.

A study of special topics of educational, technical or industrial concern. Must have a "C" grade or better to pass.

AVMA 3300 Commercial Pilot Technology 3 hrs.

The course is designed to provide successful Commercial Pilot candidates with the advance skills and knowledge necessary for certification as Commercial Pilot in accordance with the minimum requirements set forth in Part 141, Appendix D, of the Federal Aviation Regulations. The course will consist of approximately 45 contact hours of classroom based Commercial Pilot Ground School instruction. Students will be expected to immediately take the FAA approved Commercial Pilot Airman Knowledge Test upon completion of their Commercial Pilot Ground School component. PR: Private Pilot and Instrument Pilot certifications or Instructor Approval Required.

AVMA 3301 Aviation History 3 hrs.

This course traces man's effort to achieve and sustain flight, from early mythology to the present. Special emphasis is given to the evolution of the airplane from balloons to space exploration vehicles.

AVMA 3302 Aviation Law 3 hrs.

A study of the legal issues and case law/decisions affecting the aviation industry. Topics covered include contracts, liabilities, rights of operators, criminal statutes and the U.S. legal system, as applied to aviation.

Course also listed as AVMA 2202 for Homeland Security Aviation Track Majors.

AVMA 3303 Airline Operations 3 hrs.

A study of the administrative aspects of airline operation and management, including a detailed study of airline organization, structure and operational issues. Topics to be covered include airline history, economics, pricing, marketing, fleet planning and labor relations. A case study approach will be used to study individual airlines and/or airline-related issues. Course also listed as AVMA 2203 for Homeland Security Aviation Track Majors.

AVMA 3304 Aviation Maintenance Management 3 hrs.

This course provides instruction concerning the functions and responsibilities of the aviation maintenance manager. Maintenance management in general aviation, regional airlines and major and national airlines will be studied.

AVMA 3305 General Aviation Operations 3 hrs.

Writing Intensive

A study of the general aviation industry, including general aviation aircraft manufacturing, fixed-base operations and corporate flight departments. A basic definition of general aviation, its role and major components will be covered. The course also has a business development assignment during which the students develop and present a business plan for a proposed aviation company. The course is also listed as AVMA 2205 for Homeland Security Aviation Track Majors. PR: ENGL 1108 or ENGL 1109.

AVMA 3306 Commercial Pilot Technology Lab. 3 hrs.

The lab portion of this course is designed to provide successful Commercial Pilot candidates with the basic flight skills and knowledge necessary for certification as Commercial Pilot in accordance with the minimum requirements set forth in Part 141, Appendix D, of the Federal Aviation Regulations. Students are required to have minimum of 120 hours of logged Commercial Pilot Flight Training (total flight hours may vary depending on individual student ability). Twenty-Five hours of the Commercial Pilot flight training may be conducted in a Flight Training Device (FTD). Students will be signed-off to take the Commercial Pilot Practical Flight Exam for final FAA certification upon successful completion of all flight requirements. PR: Private Pilot and Instrument Pilot certifications or Instructor Approval Required.

AVMA 3307 Aviation Safety 3 hrs.

This course introduces the student to various aspects of aviation safety, including flight safety, ground safety and management and planning for safety in aviation. Case studies of individual aviation incidents, safety studies and accidents will be presented. Baccalaureate majors only. The course is also listed as AVMA 2207 for Homeland Security Aviation Track Majors.

AVMA 3399 Special Topics 1-12 hrs.

A study of special topics of educational, technical or industrial concern. PR: Instructor Approval Required.

AVMA 4401 Aviation Industry Research and Analysis 3 hrs.

This course presents an analysis of selected contemporary issues, problems and trends facing various segments of the aviation industry (manufacturers, airlines, general aviation and government). Students will apply previously learned principles to practical problems in the aviation industry.

AVMA 4402 Fiscal Aspects of Aviation Management 3 hrs.

This course will provide an introduction to financial management problems encountered in aviation management. Topics include basic accounting, financial management principles, cash flow analysis, budgeting, and financial statement analysis.

AVMA 4403 Aviation Project 1-4 hrs.

Independent study, primarily for seniors who wish to pursue further studies in special areas. Subject must be arranged with the instructor before enrolling in the course.

AVMA 4404 Advanced Composite Structures 3 hrs.

An in-depth study of the inspection and repair of aircraft composite structures. Baccalaureate majors only.

AVMA 4405 Advanced Non-Destructive Testing 3 hrs.

A detailed study of non-destructive testing methods used on aircraft. This course prepares the student for ASNT Level I certification. Baccalaureate majors only.

AVMA 4411 Aviation Industry Internship 3 hrs.

An aviation industry internship is a real-world learning activity that provides an opportunity for the student to engage in aviation industry activities in an area of concentration that may assist them in their future career development activities. These activities in their major discipline under the guidance of a senior aviation faculty member will develop a program of study that will acquaint them with industry trends and processes that will be beneficial in their new career plans. The primary goals for this class are to experience the aviation industry on a first hand basis and then shared those experiences in an appropriate venue with their assigned faculty mentor. This class should only be scheduled by juniors or seniors close to graduation after completion of a majority of their core classes. Instructor approval is required and the internship must be scheduled before the start of the semester the student plans to complete the course requirements. Junior or Senior Level attainment.

AVMA 4499 Special Topics 1-12 hrs.

A study of special topics of educational, technical or industrial concern. Instructor Approval Required.

AVMA 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

AVIONICS

AVIO 1102 Principles of Radio Transmitters and Receivers 3 hrs.

This course examines the fundamental principles of radio communications. Specific topics include RF generation, amplification, filtering, frequency conversion, types of modulation, propagation characteristics of RF waves, bandwidth considerations, and other topics related to the transmission, reception, and processing of RF signals. PR: AVMT 1109. Must have a "C" grade or better to pass.

AVIO 1110 Aircraft Power Generation and Distribution Systems 3 hrs.

This course examines DC and AC power generation systems, generator paralleling, voltage regulation, power distribution and circuit protection devices, and DC and AC machines used in aircraft systems. Emphasis is on developing an understanding of the systems adequate to test, inspect, troubleshoot, and repair at the system and component levels. PR: AVMT 1109. Must have a "C" grade or better to pass.

AVIO 1199 Special Topics in Avionics 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

AVIO 2200 Electronic Flight Management Systems 3 hrs.

This course introduces the student to the principles of operation of various Flight Management Systems including: auto-pilot, automatic test equipment (BITE), EICAS, and on-board flight management computers. PR: AVMT 1109, AVIO 1110. Must have a "C" grade or better to pass.

AVIO 2202 Instrument Landing Systems 3 hrs.

This course introduces the student to the theory of operation, troubleshooting and operational checks of instrument landing systems. PR: AVIO 1102. Instructor Approval Required. Must have a "C" grade or better to pass.

AVIO 2204 Aircraft Navigation Systems 3 hrs.

This course focuses on flight navigation equipment used in modern aircraft. The course will introduce the student to the operating principles, components and troubleshooting procedures for navigation systems. PR: AVIO 1102. Instructor Approval Required. Must have a "C" grade or better to pass.

AVIO 2206 Aircraft Communication Systems 3 hrs.

This course introduces the student to the theory of operation and "Black Box" level maintenance of airborne communications equipment including VHF/HF radios, antennas, interphones, P.A. systems and passenger entertainment systems. PR: AVIO 1102. Instructor Approval Required. Must have a "C" grade or better to pass.

AVIO 2208 Avionics Maintenance Practices 2 hrs.

This course introduces the Avionics student to the fundamentals of aircraft maintenance with the emphasis on developing manipulative skills. Must have a "C" grade or better to pass.

AVIO 2209 Aircraft Pulse and Radar Systems 3 hrs.

This course examines aircraft pulsed microwave systems including weather radar, distance measuring equipment (DME), and ATC transponder systems. PR: AVIO 1102. Instructor Approval Required. Must have a "C" grade or better to pass.

AVIO 2210 FCC License Preparation 2 hrs.

This course prepares the student to successfully complete the Federal Communication Commission's General Radio-Telephone License. PR: AVIO 1102. Instructor Approval Required. Must have a "C" grade or better to pass.

AVIO 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

BIOLOGY

BIOL 1104 Biosphere 4 hrs.

This course, designed for teacher education candidates, focuses on Earth's living systems. The major topics to be explored include biodiversity and populations (including evolution and systematics), ecosystems (nutrient cycles, trophic levels, biomes) and organisms (including life cycles, genetics, cells, and adaptations). The course includes integration of basic chemistry and atmospheric science. 4 hours of lecture/ discussion/activities per week. PR: Elementary Education majors only.

BIOL 1105 S-FSU Biological Principles I 4 hrs.

This introductory course in population biology explores the organization and function of populations, including reproduction and transmission genetics, patterns and mechanisms of evolutionary change and the fundamental concepts of ecology. 3 hours of lecture and one 3-hour laboratory per week. PR: A score of 21 or better on the ACT Science Reasoning section or SCIE 1000 with a C or better or BIOL 1106 with a C or better. Fall semester only.

BIOL 1106 S-FSU Biological Principles II 4 hrs.

This introductory course in cellular biology emphasizes the organization and functions common to all living cells. The major topics to be explored include cell organelle structure and function, the molecular basis of cell energetics, the cell cycle and basic molecular biology of the cell. 3 hours of lecture and one 3-hour laboratory per week. PR: A score of 21 or better on the ACT Science Reasoning section or SCIE 1000 with a C or better or BIOL 1105 with a C or better. Spring semester only.

BIOL 1199 Special Topics in Biology 1-4 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

BIOL 2202 General Botany 4 hrs.
The first part of this course will consist of a survey of the plant kingdom, including the fungi kingdom and selected groups of plant-like protists and bacteria. In the second part, the structure, development, and physiology of angiosperms will be examined. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 1105 and 1106 with a C or better. Spring semester only.

BIOL 2203 General Zoology 4 hrs.
A survey of the animal kingdom, this course emphasizes selected invertebrates and vertebrates. The focus will be on diversity and the significance of evolutionary changes. Students will investigate the basic concepts of morphology, anatomy, physiology and behavior as they affect the ecology of the animal. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 1105 and 1106 with a C or better. Fall semester only.

BIOL 2205 S-FSU Technical Microbiology 4 hrs.
Designed for the Allied Health Programs, this course emphasizes the history of microbiology, microbial morphology and structure; microbial growth and physiology; environmental effects on bacteria; inhibition and killing of bacteria; virulence, pathogenicity, and invasiveness of microbes; modes of disease transmission; resistance and immunity; techniques of isolation; handling, culturing, identifying bacteria and the inhibition of bacteria. Safety, cleanliness, and responsibility are taught in the laboratory. 3 hours of lecture and one two-hour lab per week. This course is designed for the Allied Health Program Majors, Nursing, Vet Tech and Pre-Pharmacy. BIOL 2224 will not substitute for BIOL 2205 or vice versa. Spring semester only.

BIOL 2224 Microbiology 4 hrs.
In this course, microorganisms (primarily bacteria) will be viewed from several perspectives; as pathogens, as components of ecosystems, and as components of industrial processes. Techniques for culturing and identifying bacteria will be presented. The course includes opportunities for students to design and conduct laboratory exercises. 3 hours of lecture and one 3-hour laboratory session per week. PR: BIOL 1105 and 1106 with a "C" or better, and CHEM 1105. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3306 Fundamentals of Ecology 4 hrs.
This course explores the fundamental principles of modern ecology: the patterns and processes operating in populations, communities and ecosystems. Population growth and regulation, energy flow, population interactions and nutrient cycling will be emphasized. Students will learn quantitative methods, use field techniques, and practice the scientific method. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 and 2203, with a C or better, and CHEM 1106, 1113. Fall semester only.

BIOL 3312 Advanced Botany I 4 hrs.
This course provides an in-depth study of the plant kingdom. Primary emphasis is placed on understanding the structural characteristics, evolutionary relationships and ecological distribution of plants. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3315 Invertebrate Zoology 4 hrs.
This course surveys the invertebrate phyla as they have evolved from single cell protists to multicellular chordates. Also considered are the attributes of these organisms that have allowed them to radiate from aquatic to terrestrial environments. Two hours of lecture and two two-hour laboratories per week. PR: BIOL 2202 and 2203 with a C or better and CHEM 1106 and CHEM 1113. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3316 Vertebrate Zoology 4 hrs.
An in-depth investigation of vertebrates, this course focuses on the evolutionary relationships among the major vertebrate groups, with an emphasis on physiological, morphological and behavioral adaptations, especially as they influence the ecology of the animal. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2203 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3330 Aquatic Ecology 4 hrs.
This course focuses on physical and biological aspects of freshwater lakes and streams, emphasizing the application of ecological theory. Lectures will cover lentic (lake) and lotic (stream), wetlands and groundwater ecology. The laboratories are field-oriented and allow students the opportunity to use state-of-the-art instrumentation while applying lessons learned in the classroom. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 3306 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3331 Terrestrial Ecology 4 hrs.
This course will start with the foundation from Fundamentals of Ecology and examine more closely the relationships between organisms and their terrestrial environment. A number of different ecological sampling and research methods will be studied and utilized. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 3306 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3360 Biochemistry 4 hrs.
This course is a study of general principles of biochemistry, including the synthesis and metabolism of carbohydrates, proteins, lipids and nucleic acids. The course integrates theory, concepts and applications. It encompasses the molecules of life, the dynamic function of biomolecules, the storage and transfer of biological information and bioenergetics of cells and organ systems. 4 hours of lecture per week. PR: CHEM 2202, and either MATH 1185 or MATH 1190. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3368 Animal Physiology 4 hrs.
This course explores the fundamental functional processes of animals. Major topics may include energetics, digestion, neurology, endocrinology, immunology, muscle physiology, circulatory physiology, respiratory physiology, osmoregulation and thermoregulation. The emphasis will be on the investigation of physiological processes as evolutionary adaptations. Students will cooperatively design and complete research projects. 3 hours of lecture and one 3-hour lab per week. PR: BIOL 2203 with a C or better, CHEM 1106 and 1113. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3370 Plant Physiology 4 hrs.
Plant physiology is the study of how plants function. Major topics will include transpiration, plant nutrition, photosynthesis, hormone regulation of plant development, plant movement and responses to environmental stresses. Students will be expected to design and complete physiology research projects. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 with a C or better, and CHEM 1106 and 1113. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3380 Genetics 4 hrs.
This course builds upon genetic principles introduced in Biology 105 and 106. Topics covered include extensions of Mendelian genetics, gene mapping, chromosomal structure and mutation, DNA replication, mutation and repair and gene expression and its regulation. 3 hours of lecture and one 3-hour laboratory session per week. PR: CHEM 1106 and 1113, BIOL 1105 and 1106. Fall semester only.

BIOL 3390 Molecular Biotechnology 4 hrs.
Writing Intensive

This course is a study of the theoretical basis of techniques used in biotechnology, and the application of these techniques to biological research in academic and industrial settings. 3 hours of lecture and one 3-hour laboratory per week. PR: ENGL 1108, BIOL 3380, CHEM 2201, and either MATH 1185 or MATH 1190. Spring semester only.

BIOL 4420 Developmental Biology 4 hrs.

This course contains a detailed study of gametogenesis, fertilization and embryonic development patterns of organisms. The role of gene expression in these events will be emphasized. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 and 2203 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 4485 Senior Seminar 2 hrs.

This culminating experience requires students to utilize their knowledge of biology, as well as their analytical and critical thinking skills, to explore important topics in the biological sciences in a cooperative learning environment. Students will be expected to read, interpret, moderate discussions and formally present information from current research and review papers to an audience of their peers and biology faculty. Two hours of class meeting per week. PR: Senior standing. Spring semester only.

BIOL 4495 Problems in Biological Sciences 2 hrs.

This course is designed for students who have interest in a specific problem in biology. It should not be used as a means of meeting requirements but rather as a research course that goes beyond the usual courses in developing the student's body of knowledge. PR: 20 hours of biological courses and Instructor Approval Required.

BIOL 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

(BUSINESS) INFORMATION SYSTEMS MANAGEMENT

BISM 1200 Introduction to Computing 3 hrs.

This course provides an overview of the current state of computing and its social implications. This is intended to be used as a breadth-first introductory course for majors and non-majors. Topics include organization of a computer system, examination of computing disciplines, social implications of computing, problem solving using productivity software applications, and investigations of emerging areas in information systems.

BISM 1400 Corporate Communications and Technology 3 hrs.

This course will focus on applying technology to support technical writing, oral presentations and online communications. This includes conducting research using the online library resources, developing reports using advanced word processing report features, integrating spreadsheet and database applications within the word processing document to automate data updates, using online document sharing applications for concurrent reviews and configuration management, and preparing and giving formal presentations. In addition, the course will introduce teamwork concepts and online networking in the context of business communications. PR: ENGL 1104

BISM 2200 Business Information Tools 3 hrs.

This course focuses on fluency in computerized information systems technology along with how information is collected, stored, organized, and managed to facilitate effective decision-making. Students will create and use databases and spreadsheets to assist in the setup and resolution of business problems. The functionality within Microsoft Excel will be used to carry out"what-if"scenarios, sensitivity analysis, statistical analysis, and graphic displays. Microsoft Access will be utilized to design, create, implement, and query databases. PR: BISM 1200, BISM 1400, and Math ACT score of 19 or MATH 1100 or higher

BISM 2400 Operating Systems Concepts 3 hrs.

This course explores hardware and software configurations as integrated systems and provides a basic understanding of what an operating system is and how it works. Fundamental concepts such as computer architecture are presented along with the execution concepts related to multiple operating systems. A variety of operating systems, such as MS-DOS and Windows, Windows NT, and UNIX are examined in single and multi-user environments. PR: BISM 1200

BISM 2600 Introduction to Networking Administration 3 hrs.

This course examines detail issues and techniques in computer networking. Emphasis is placed on local area networks, internetworking via TCP/IP and the Internet. The OSI reference model and the TCP/IP protocols form the framework. Topics include the key aspects of networking, interoperability, LAN strategies and standards such as shared and switched Ethernet, Token Ring and FDDI; LAN internetworking using bridges and routers; routing strategies and congestion in networks along with how data passes through layers. PR: BISM 2400

BISM 3000 Business Programming Logic 3 hrs.

This course introduces problem-solving and programming logic for business applications. Students will learn fundamental problem-solving techniques that are necessary to develop computer applications to solve business problems. Students will also be introduced to the Visual Basic programming language. PR: BISM 2200

BISM 3200 Management Information Systems 3 hrs.

This course focuses on the fundamentals associated with the management of information systems and technology in a dynamic business environment. Special emphasis is placed on managerial issues that are relevant to selection, application, and usage of computerized information systems in a business enterprise. Topics covered include the MIS framework, ethics, technology, information systems collaboration, decision-making, competitive advantage, telecommunications, databases, data communication, E-commerce, Supply Chain, and information systems management. PR: BISM 2200

BISM 3400 Database Design and Development 3 hrs.

This course covers information systems design and implementation within a database system environment. Students will be introduced to relational database technology through the use and application of terminology, technical concepts, data modeling, structured query language (SQL), and database implementation. The course includes hands-on experience with data modeling and working database management systems. PR: BISM 2200

BISM 3600 E-commerce and Web Development Strategy 3 hrs.

This course covers emerging online technologies and trends and their influence on the electronic commerce marketplace. Students will learn building blocks of web technology and various revenue models and their application in a variety of sectors and industries. This course will also explore current issues surrounding electronic commerce and electronic business including security, privacy, and search engine optimization. Finally, students will learn how to plan for electronic commerce. PR: BISM 3000, BISM 3200, BISM 3400

BISM 3800 Object-oriented Business Applications 3 hrs.
This course introduces multitier programming in Visual Basic. Students will apply object-oriented programming techniques for developing the presentation, business, and data tiers for database application projects. The emphasis of projects is on business applications. PR: BISM 3000, BISM 3400

BISM 4000 Global, Economic, Ethical, and Social Information Systems 3 hrs.
This course explores the tools students will need when confronted with ethical decisions in their role as global technology professionals. Students will address a variety of economic, ethical, and social frameworks in a global context. Case studies are used to foster discussions on subjects specifically related to computers and information systems. The course explores information technology in its social, economic, ethical, and global contexts. The student will be required to participate in class discussions, cases studies, and present a research paper on the issues surrounding computing and a national and international society. PR: BISM 3200, ENGL 1108

BISM 4200 Systems Analysis and Design 3 hrs.
Students are introduced to the theory and application of systems analysis and design techniques for computerized information systems. Topics covered include requirements collection and analysis, logical and physical information flow modeling, a variety of system development methodologies, data modeling, object-oriented analysis and modeling, prototyping, project control, sampling techniques, project feasibility, cost/benefit analysis, time value of money, and the hands-on application of systems design techniques through a course project. PR: BISM 2600, BISM 3600, BISM 3800

BISM 4300 Business Intelligence 3 hrs.
This course is an overview of the business intelligence process including information collection, intelligence analysis, and intelligence process assessment. According to the Gartner Group, "In a data-rich world, businesses are inundated with information. Yet used strategically, it can guide decision making and boost performance. That's why Business Intelligence is on every CIO's must-have list." This course is not based merely on learning concepts, but also applying those concepts to facilitate business processes in a team effort. PR: Instructor Approval

BISM 4400 Current Topics in Information Systems 3 hrs.
This course investigates current topics in information systems. Current topics of interest in information systems will be selected by the instructor and approved by the department. Examples of topics include telecommunications, grid computing, health informatics, data visualization, etc. PR: BISM 3200

BISM 4800 Information Systems Project Management 3 hrs.
This course explores best practices in formal project management concepts and techniques. Students will learn the Project Management process areas and Knowledge Management areas as defined by the Project Management Body of Knowledge (PMBOK). The project outputs and required documentation for each process area are emphasized. The project management concepts and techniques presented in the course will be applied to group projects. Students will apply project management software to manage an information systems-related project. PR: BISM 4200

BISM 4900 Internship in Information Systems 3 hrs.
This internship course is designed as a learning experience which requires the integration of information systems theory with actual job experience. The student must be enrolled in the Information Systems Management program. The employer will be responsible for evaluating and reporting the performance of the student. PR: BISM 4200 and Instructor Approval

BISM 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

BUSINESS ADMINISTRATION

BUSN 1102 S-C&TC Introduction to Business 3 hrs.
This entry-level course helps the student when choosing a major. The course is a survey of the various fields of business designed to acquaint the student with the basic principles, practices, and employment opportunities of each field.

BUSN 1141 S-C&TC Business Mathematics 3 hrs.
This course is designed to provide knowledge and skill in the computation of the practical problems of business. The course content is an introduction to procedures in the fields of accounting, business finance, marketing, and related business subjects. (This course does not meet the General Studies math requirement. Juniors and seniors in any four-year Business major are not permitted to take this class unless it is specifically required in the major.) PR: Math ACT 19 or successful completion (70%) of math 93 Challenge Exam or completion of Math 93.

BUSN 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

BUSN 1199 S-FSU Special Topics in Business 1 - 6 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

BUSN 2205 S-FSU Small Business Fundamentals 3 hrs.
An introductory course designed to familiarize students with small business dynamics. Students analyze personal strengths and weaknesses relative to launching an entrepreneurial career. Attention is given to planning, financing, starting, and managing a new business.

BUSN 2210 S-C&TC Human Relations in Business 3 hrs.
The goal of this course is to teach skills and procedures and to raise students' awareness for the many issues involving relationships on the job. Students will be exposed to the most significant human relations issues in today's workplace and will explore the relationship between effective human relations skills and ongoing career success.

BUSN 2248 S-C&TC Business Essentials 3 hrs.
Students must possess many tangible and intangible attributes in order to obtain and maintain successful employment in today's workforce. Potential candidates must possess not only the technical skills essential to that particular employment field, but must also possess the "soft skills" that employers seek. This course incorporates four "soft skills" that are essential to employability--Professional Image, Professional Etiquette, Professional Documents, and Business Ethics. Professional Image incorporates overall presence, appearance, and dress. Professional Etiquette includes customer relations, diplomacy, interacting with people, dining, and gift giving. Professional Documents addresses the all-important topics of business English/grammar, editing, and proofreading. Business Ethics approaches ethical decisions of the employee as well as the organization. This course provides useful and timely topics for job-seeking students in all programs of study. PR: Sophomore status or higher.

BUSN 2251 S-FSU Corporate Communications 3 hrs.
Writing Intensive

This course focuses on writing effective business correspondence including letters, memos, and e-mail messages. Interpersonal communications in the workplace are also addressed. This course also deals with the preparation and presentation of professional reports. The various forms of communication necessary for job hunting, including resumes and application letter, are also integrated into the course. PR: ENGL 1108, COMM 2202.

BUSN 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

BUSN 2995 S-C&TC Integrated Business Strategies 3 hrs.

Integrated Business Strategies is an experiential, integrated business simulation. The course provides students with a capstone experience of cross-disciplinary business knowledge and skills essential to succeed in today's global economy. It also provides a cornerstone for further experience and education in the business field. In a simulated environment, students work in teams to manage and coordinate corporate strategies across all functional areas of a company: research and development, marketing, production, finance, human resources, and total quality management. Individual student success is measured throughout the simulation to determine the student's level of business judgment and analytical skills. PR: Instructor Approval Required. Capstone course.

BUSN 2299 Special Topics 1-6 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

BUSN 3300 Entrepreneurship 3 hrs.

An applied course designed to simulate the experiences that entrepreneurs undergo in conceiving, evaluating, launching and operating a new business venture. The course allows students to examine potential entrepreneurial careers for themselves. The major project involves preparing and presenting a business plan for a potential new venture. PR: BUSN 2205.

BUSN 3306 Business Law I 3 hrs.

A study of the nature and function of our legal system, courts, and procedures as they relate to business, including the law of contracts and sales.

BUSN 3307 Business Law II 3 hrs.

Continuation of BUSN 3306. Substantive investigation of the law regarding corporations, commercial paper, agency, partnership and the legal basis of property as applied to business situations. Business 3307 will not satisfy the 3-hour requirement in the teaching fields in Business Education. PR: BUSN 3306.

BUSN 3310 Business and Economic Statistics 3 hrs.

The course provides students with an introductory survey of business statistics. It covers three main units: descriptive statistics and data analysis, foundations of inference and inferential statistics. PR: MATH 1112, FINC 2201.

BUSN 3319 Employment Law 3 hrs.

This course explores the relationship between employer and employee. It covers a mixture of contract, tort, criminal and administrative law. Study will include the statutory and common law rules governing the establishment and termination of the employment relationship and regulating the conditions of employment. The course is designed to develop understanding of the major areas of modern employment law so that students can apply the principles as an employer or an employee. PR: BUSN 3306.

BUSN 3320 International Business 3 hrs.

This is an introductory course, designed to expose students to the nature of international business and the cultural, social, political, economic and technological forces that make up its environment. Students will study the importance of international trade and organizations, as well as the international monetary system and its impact on businesses, current international business developments, projected long-term global trends, unique opportunities, problems, ethical issues, characteristics and demands facing entrepreneurs and business personnel engaged in international business. PR: MGMT 2209, MKTG 2204, ECON 2201.

BUSN 3322 Managing Business in Europe 3 hrs.

This course is designed to focus on European markets. It will discuss issues that American firms have to deal with while doing business in Europe. With the European Union slated for expansion, enlarging an already large unified market, the European markets offer tremendous opportunities and challenges for businesses. The course will discuss the salient differences between the European and domestic management practices. To study the nature of the European markets first hand, students will go on a trip to Europe during the semester.

BUSN 3325 Women and Work 3 hrs.

This course will analyze the social organization of women's work in the United States today and in the past. Students will examine the relationship between women's socialization, sense of self, family roles and the social, economic, and political forces which shape women's work. Topics will include affirmative action and comparable work, unionization, sexual harassment and traditional and nontraditional roles.

BUSN 3330 Business Intelligence 3 hrs.

This course is an overview of the business intelligence process including information collection, intelligence analysis, and intelligence process assessment.

BUSN 3340 Advanced Business Law for Managers 3 hrs.

Survey of legal problems encountered by finance executives, certified public accountants, and entrepreneurs, including secured transactions, bankruptcy, partnership, corporations, contracts, antitrust, and SEC law. PR: BUSN 3307.

BUSN 3399 Special Topics in Business 1-6 hrs.

Advanced studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree programs. PR: Instructor Approval Required.

BUSN 4405 Entrepreneurial Leadership 3 hrs.

The latest concepts and applications in entrepreneurial leadership will be the focus of this course. Its content will therefore vary each semester to provide the student with exposure to the most recent developments in this area. Critical leadership, ethical and information-age challenges are examined to facilitate successful entrepreneurial endeavors. Students are involved in a variety of activities emphasizing integration of entrepreneurial topics in work and life. Discussion, role play, case study analysis, and small group learning will be used. PR: BUSN 3300 or Instructor Approval Required.

BUSN 4408 Business and Economics Field Studies 3 hrs.

This field experience, designed for business majors, actively engages students in a monitored work experience related to their major. Students may work independently or in teams, with guidance from a supervising faculty member on a specific project that benefits both the student(s) and the participating business. PR: Instructor Approval Required, with approval of the School Dean.

BUSN 4410 Enterprise Development 3 hrs.

This is a capstone course whereby students continue to develop and refine their business plan or begin actual operation of their business venture. Students are expected to participate in the daily operation of their enterprise and report to the faculty facilitator on a regular basis. This course is offered on a credit/no credit basis. PR: BUSN 3300.

BUSN 4415 Strategic Management and Policy 3 hrs.

This course allows the student to integrate the concepts and principles offered in the various disciplines of study within the School of Business. Through the process of case analysis, students will enhance their analytic and problem-solving skills by formulating the policies and strategies that are used in modern business organizations. PR: ACCT 2202, FINC 2201 and senior standing.

BUSN 4420 Business and Society 3 hrs.

A course designed to foster an appreciation of the societal and ethical issues facing businesses and managers today, and to examine the influence these issues have on management decisions. PR: ECON 2202, BUSN 3307, junior standing, or Instructor Approval Required. Students must be enrolled in a B.S. in Business Administration major.

BUSN 4431 Methods and Materials in Teaching Business Education 3 hrs.

This course addresses teaching strategies for communication-related, computation-related, information-processing and basic business skills. The course offers a brief overview of business education at all levels and the professional role of the business teacher. Fall semester only. Students are advised to take BUSN 4431 the semester before Clinical 111/Student Teaching. PR: Successful completion of PPST PRAXIS TEST.

BUSN 4440 Hospitality Management Internship 3 hrs.

This internship course is designed as a learning experience which integrates food service and business theory with actual job experience in a hospitality management-related work environment. The student must be enrolled in the four-year Hospitality Management program. The employer is responsible for evaluating and reporting the development of the student. PR: Instructor Approval Required, with approval of School Dean. Graded Credit/No Credit.

BUSN 4450 Business Internship 3-6 hrs.

This business internship is designed to provide the business major with supervised work experience in a sponsoring organization. The student is expected to complete a minimum of 200 hours in a meaningful and challenging position. PR: Instructor Approval Required, with approval of School Dean. Graded Credit/No Credit.

BUSN 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

BUSINESS AND INDUSTRY TECHNICAL STUDIES

BITS 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

BITS 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

CHEMISTRY

CHEM 1101 S-FSU General Chemistry I 4 hrs.

A study of the theoretical concepts needed to understand typical chemical phenomena. The course addresses the nature of science, matter and measurements, the stoichiometry of chemical reactions, solutions and the calculation of concentration, energy relationships in chemistry, modern atomic theory, chemical bonding and molecular structure and the classification of reactions. 3 lectures and one 3-hour laboratory per week. PR: ACT math score of 19; or SAT Math score of 460 or Compass score of 36 or Elementary Algebra 0095.

CHEM 1102 S-FSU General Chemistry II 4 hrs.

This course is an extension of CHEM 1101. It covers acid-base theory, chemical equilibrium, oxidation-reduction and an introduction to organic chemistry which includes the various classes of organic compounds, their nomenclature, structure, properties and reactions. The synthesis of polymers and their uses are included. The course consists of 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1101. Spring semester only.

CHEM 1105 S-FSU Chemical Principles I 5 hrs.

This course and the following one, CHEM 1106, constitute an introduction to modern chemistry and its applications to society, including structure, nomenclature, properties and simple reactivity of inorganic and organic chemicals, descriptive chemistry, periodic properties, spectroscopy, stoichiometry involving solids, gases and solutions, basic thermodynamics, chemical equilibrium (acid/base and solubility), introductory kinetics, biochemistry, electrochemistry and nuclear chemistry. 4 hours of lecture and one 3-hour laboratory per week. PR: ACT math score of 20; SAT Math 480, Compass score of 42 or CHEM 1101 with a grade of C or better. Fall semester only.

CHEM 1106 S-FSU Chemical Principles II 4 hrs.

Continuation of CHEM 1105. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1105. Spring semester only.

CHEM 1113 Practical Scientific Statistics with a Spreadsheet 1 hr.

Designed for students in any scientific field, this self-paced online course covers the basics of analyzing scientific data sets with statistics. Topics include error propagation, median, mean and standard deviation, t-test, q-test, hypothesis testing, linear regression analysis, creation of appropriate graphs and use of calibration curves. Three on-campus course meetings are required. PR: MATH 1112 or BIOL 1105 or CHEM 1105 or PHYS 1101 or ACT math score of 20; or SAT Math score of 480 or Compass score of 42. Spring semester only.

CHEM 1199 Special Topics in Chemistry 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

CHEM 2201 Organic Chemistry I 4 hrs.

This course is a systematic study of organic chemistry with emphasis on kinetic behavior, reaction mechanisms and structural relationships. It includes the study of all major classes of organic compounds and functional groups. The course consists of 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1106. Fall semester only.

CHEM 2202 Organic Chemistry II 4 hrs.

This course is a continuation of CHEM 2201 and consists of 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 2201. Spring semester only.

CHEM 2205 Analytical Chemistry 4 hrs.

Classical methods of chemical analysis, with emphasis on quantitative techniques. Also includes theory of acid-base, precipitation and oxidation methods, molecular structure, and an introduction to electrochemistry and spectroscopy. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1106, 1113. Fall semester only.

CHEM 2215 Intermediate Instrumental Analysis 4 hrs.

This course includes the study of the basic concepts of instrument design and construction, operation of chemical instrumentation, use of standard procedures of analysis (including forensic and environmental methods), and method development for specific analyses. Spectroscopic, chromatographic and electrochemical methods of analysis are included. The course consists of two hours of lecture and one four-hour laboratory per week. PR: CHEM 1106, 1113. Spring semester only.

CHEM 2225 Forensic Microscopy and Spectroscopy 3 hrs.

This course is an introduction to the microscopy and spectroscopic techniques employed by forensic scientists to analyze trace evidence including hairs, fibers, paint chips, glass fragments, etc. The course will consist of two hours of classroom instruction and two hours of laboratory each week. PR: CHEM 1106, MATH 1115 or higher.

CHEM 3301 Physical Chemistry I 4 hrs.

This course consists of a rigorous treatment of chemical kinetics and thermodynamics, based on calculus and physics. The application of partial differentiation and mathematical software to chemical problems is specifically addressed during this course. The course consists of four lecture hours per week. PR: CHEM 2201, 2205, PHYS 1102 or 1106, MATH 1185 or 1190. Fall semester only.

CHEM 3302 Physical Chemistry II 4 hrs.

This online course deals with the development of quantum chemistry. Elements of linear algebra, differential equations and mathematical software will be applied to chemical problems. Some synchronous electronic meetings are required. PR: CHEM 2202, 2215, 3301, MATH 1186 or 3315. Spring semester only.

CHEM 4401 Independent Study 1-3 hrs.

Students elect to learn about a topic in greater depth than usual, or one not covered in the regular curriculum, under the supervision of a faculty member. PR: Instructor Approval Required.

CHEM 4402 Internship 1-3 hrs.

Students undertake a practical work experience with oversight from the chemistry department. At least two hours work experience is expected for every credit. A paper describing the experience is required. PR: Instructor Approval Required.

CHEM 4403 Independent Research 1-3 hrs.

Independent research under the direction of a faculty member. Course is repeatable up to three times. At least two hours in the laboratory are expected for every credit. A paper describing the research is required. PR: Instructor Approval Required.

CHEM 4405 Advanced Integrated Laboratory 1-2 hrs.

Writing Intensive

This variable-credit, repeatable course, taken during the junior and senior years, provides a capstone experience in the chemistry laboratory. Students learn to integrate the skills required of practicing chemical professionals. They synthesize and characterize organic and inorganic compounds, learn the use, design and limitations of modern computer-controlled chemical instrumentation, study spectroscopy, reaction rates and chemical equilibria, and perform computations on chemical systems. Over the course of four semesters (including at least 7 credits), students become increasingly responsible for independent design of experiential procedures. Written and oral communication skills are stressed throughout the sequence. The course consists of two laboratory hours per week for every credit hour. PR: ENGL 1108, CHEM 2201, 2205.

CHEM 4450 Advanced Inorganic Chemistry 3 hrs.

This course consists of an advanced study of inorganic reactions, coordination compounds and theories based on quantum mechanical principles. The course consists of three lecture hours per week. PR: CHEM 3302. Fall semester only.

CHEM 4455 Advances in Modern Chemistry 3 hrs.

An advanced class on current topics in the field of chemistry, covering a wide range of subjects. Topics include analytical, organic, inorganic, biological and physical chemistry. Course discussions are based on recent papers from the scientific literature. Students present a public seminar on a topic from the chemical literature as a capstone experience in this course. Three lecture hours per week. PR: CHEM 3302, or CR: CHEM 3302.

CHEM 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

CIVIL ENGINEERING TECHNOLOGY

CIVL 1199 Special Topics in Civil Engineering Technology 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

CIVL 2200 Introduction to Surveying 3 hrs.

Topics in this course include theory of linear distance measurement, proper note keeping, transit/tape surveying techniques, leveling procedures, measurement of horizontal and vertical angles, stadia, bearings and azimuths, rectangular coordinates, topography and mapping techniques. Students will learn to use all types of surveying equipment, including levels, transits, theodolites, total stations, and Electronic Distance Measurements (EDM) devices. CR: MATH 1101.

CIVL 2210 Light Construction 4 hrs.

Students will be instructed in practices utilized in the erection of residential and industrial buildings, with technical information involving problems from ground to roof.

CIVL 2220 Construction Materials and Methods 4 hrs.

Identification, properties and standard test methods for steel, concrete, timber, masonry products, bituminous products, soils and aggregate. Heavy construction methods are also discussed. PR: CIVL 2210, MATH 1101.

CIVL 2230 Construction Estimating 3 hrs.

This course covers construction cost-estimating techniques for various types of construction projects. Included are certain related topics such as production, bidding and specifications as they affect the contractor during the cost estimation process. PR: CIVL 2220, INFO 1100.

CIVL 2240 Construction, Land and Route Surveying 3 hrs.

This course will cover horizontal and vertical control, building location and layout, pipeline layout, construction staking procedures, earth quantity measurements, triangulation, horizontal and vertical curves, plan and profile, area and cross sections, volume calculations, mass diagrams, boundary control and deed descriptions. PR: CIVL 2200, INFO 1100.

CIVL 2275 Civil Engineering Graphics 3 hrs.

This course will provide students with an introduction to computer-assisted civil engineering drafting and design. Includes coverage of graphics techniques, drawing organization, dimensioning, orthographic projection, and specific applications of civil engineering drafting and design. Typical applications include coordinate geometry, contours, topics in highway design, concrete, steel and structural wood drafting. PR: DRFT 2200.

CIVL 2280 Environmental Engineering Technology I 3 hrs.

This introductory course will provide an overview of the environmental field, including laws and regulations, water quality, hydraulic and hydrologic fundamentals, water and wastewater treatment, groundwater contamination, and solid waste management. PR: CHEM 1101. CR: TECH 2290 or MATH 1185, or MATH 1190.

CIVL 2290 Introduction to Structures 3 hrs.

This is an introductory course focusing on the analysis and design of structures. It will provide an elementary overview of the analysis, design, and detailing of both steel and wood structures, with primary emphasis on steel. Course coverage will include design of beams, columns and connections. PR: MECH 2200.

CIVL 3305 Hydraulics and Hydrology 3 hrs.

Topics in hydraulics will include closed conduit flow, networks, reservoirs, hydraulic machinery, pumps in series and parallel and hydraulic structures. Topics in hydrology will include statistics and probability, hydrologic cycle and data, open channel flow, flood control and discharge, and culvert and detention pond design. PR: INFO 1100, TECH 2290 or MATH 1185 or MATH 1190, CIVL 2280.

CIVL 3340 Introduction to Soil Mechanics 4 hrs.

This course covers soil origin and composition, index properties and classification, permeability, capillary, seepage, drainage, frost heave, combined stresses, total and effective stresses, compressibility and consolidation. PR: MECH 2200.

CIVL 4400 Highway Design and Transportation 3 hrs.

This course addresses basic transportation theory and design, including parametric statistics, traffic flow, capacity, level of service, pavement design and geometric design. PR: TECH 2290 or MATH 1185 or 1190, or CIVL 3340.

CIVL 4410 Advanced Structural Analysis 3 hrs.

This course provides an analysis of structures including cables, beams, columns, trusses and frames. Also included are buckling, shear, moment and deflection in statically determinate structures. PR: CIVL 2290, TECH 3300 or MATH 1186 or MATH 3315. Baccalaureate majors only.

CIVL 4420 Construction Planning and Administration 3 hrs.

Introduction to construction management. Topics include construction planning and scheduling, economics, contracts, administration, health and safety, productivity and performance. PR: CIVL 2230.

CIVL 4440 Structural Design 3 hrs.

A continuation of CIVL 2290, with more in-depth design of reinforced concrete and steel structures. PR: CIVL 2290.

CIVL 4450 Structures 3 hrs.

Introduction to the structural design of typical building components using steel, timber and concrete. The course will include design of laterally supported and unsupported beams, one and two-way slabs, columns, beam-columns, tension members, connections and wall and column footings. PR: CIVL 2220, MECH 2200.

CIVL 4460 Environmental Engineering Technology II 3 hrs.

This course will cover theories and practices in water and wastewater treatment systems, including physical, chemical and biological treatment processes. Other topics include surface water quality characteristics, modeling and permitting. PR: CIVL 2280 and TECH 3300 or MATH 1186 or MATH 3315. Baccalaureate majors only.

CIVL 4470 Advanced Soil Mechanics and Foundation Design 3 hrs.

This course is a continuation of CIVL 3340 and includes shear strength, laboratory and field test methods and their use in design. It also provides an introduction to shallow and deep foundations, including bearing capacity and settlement analysis, the study of earth pressure for use in design of retaining walls, sheet piles, and excavating bracing, and an introduction to earth structure design and slope stability analysis. PR: CIVL 3340. Baccalaureate majors only.

CIVL 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

COMMUNICATION

COMM 1105 Voice & Diction 3 hrs.

This course covers the theory and practice of speech science, provides the basic information necessary for further speech and drama study and helps students improve their speaking skills. Open to communication and theatre students and music students only. Fall semester only.

COMM 1171 Mass Communication 3 hrs.

This course is a survey of the mass communication industry and its role in today's society. Students will discuss historical developments and current responsibilities of those working in the various areas of mass communication. Special emphasis will be given to the ever-changing nature of mass communication, including the computer and Internet as new tools. Fall semester only.

COMM 1199 Special Topics in Speech Communication 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. Maximum credit allowed is 3 hours per semester, up to 12 hours total.

COMM 2200 S-FSU Introduction to Human Communication 3 hrs.

Examines the theoretical foundations of human communication through definitional analysis and examination of communication models, code elements and ethical considerations pertinent to communication in our society. This course provides the opportunity for each student to participate in interpersonal and public speaking presentations to develop his/her skills in interacting with others in both the personal and professional arenas. This course satisfies the General Studies oral communication requirement. PR: Completion of ENG 1104 with a "C" or better grade or a Verbal ACT score of 21 or higher. (Previously SPCH 1100)

COMM 2201 S-FSU Introduction to Group Discussion 3 hrs.

This course focuses on the theories, concepts and skills necessary to function effectively in a variety of group settings. Students will use research, organization, critical thinking and presentational skills when participating in groups to investigate social problems and create potential solutions for those problems. Topics include group norms, rules, roles, conflict management, leadership, problem solving, decision-making and team building. This course satisfies the General Studies oral communication requirement. PR: Completion of ENG 1104 with a"C"or better grade or a Verbal ACT score of 21 or higher.

COMM 2202 S-FSU Introduction to Communication in the World of Work 3 hrs.

This course focuses on personal and professional communication. It examines the nature of communication in the world of work. Students will exam and practice individual, group and presentational communication skills necessary to work effectively with peers, supervisors, supervisees and constituents. Topics addressed will include interpersonal communication, socialization, organizational culture, group dynamics, leadership, power and status, meeting facilitation, problem solving, presentation research, organization and delivery. This course satisfies the General Studies oral communication requirement. PR: Completion of ENG 1104 with a"C"or better grade or a Verbal ACT score of 21 or higher.

COMM 2215 Nonverbal Communication 3 hrs.

This course examines the nonverbal components of speech communication. Concepts of the human body as a message carrier and the message characteristics of space, time, artifacts and voice will be discussed. In addition, students will research the functions of nonverbal communication as it affects relational interaction. PR: COMM 2200, 2201, or 2202. Spring semester only.

COMM 2219 Language in Communication 3 hrs.

A study of verbal coding for communication, this course focuses on the function of language in oral communication, theories of oral language acquisition and behavior and the special problems involved in oral language coding for audiences. PR: COMM 2200, 2201, or 2202. Spring semester only.

COMM 2235 Interpersonal Communication 3 hrs.

A study of communication in dyadic settings, with an emphasis on increasing understanding of the theories, concepts and principles related to human interaction. Focus is on improving skills in interpersonal communication. PR: COMM 2200, 2201, or 2202. Fall semester only.

COMM 2241 Argumentation & Debate 3 hrs.

A study of the principles of argumentation, logic and reasoning, evidence and decision-making. A practical application of these principles is emphasized through the study of current controversies and oral class debates. PR: COMM 2200, 2201, or 2202. Fall semester only.

COMM 2249 Intercollegiate Debate I-IV 1-4 hrs.

This course provides training for and participation in intercollegiate debate tournaments at colleges and universities throughout the eastern United States. Credit is also given for researching the intercollegiate debate proposition for the current academic year. Maximum credit in any one semester is one hour. Open to freshmen and sophomores. (Juniors and seniors, see COMM 4449.) PR: COMM 2241.

COMM 3320 The Art of Storytelling in Theory and Practice 3 hrs.

The emphasis of the course will be on both the theory and research related to storytelling and the art of storytelling as performance. In this performance-based course, students will select, craft, rehearse and perform stories suitable to a variety of audiences. Students enrolled in this course are required to attend the National Storytelling Festival in Jonesborough, Tennessee. Also listed as FOLK 3320 and THEA 3320

COMM 3337 Persuasive Communication 3 hrs.

This course is an in-depth study of the speaker, audience and environmental factors influencing the persuasive process. It is designed to give advanced speech communication students training in the preparation, presentation and critical analysis of persuasive speeches. Various delivery styles, including impromptu and extemporaneous, will be used. PR: COMM 2241. Fall semester only.

COMM 3345 Oratory 3 hrs.

This course is the capstone experience for all speech communication majors and minors. Students will study the role of rhetoric/public discourse as an agent of change in a free society, and prepare a persuasive manuscript to be delivered to a public audience. This class prepares students for participation in the M. M. Neely Persuasive Speaking Contest. PR: COMM 3337. Spring Semester only.

COMM 4431 Methods and Materials in Teaching Speech Communication and Theatre 3 hrs.

This course covers the philosophy, methods, and materials of teaching forensic communication and theatre, as well as directing the speech communication and theatre co-curricular and extra-curricular activities in the secondary schools. Fulfills Professional Block requirement for those with a single teaching field in Oral Communication. Fall semester only.

COMM 4439 Public Speaking Practicum I-VIII 1-8 hrs.

Preparation for and participation in public performances and intercollegiate competitions and festivals in public speaking, i.e., after-dinner, extemporaneous, oratory, etc. Maximum credit in any semester is one hour. PR: COMM 2241.

COMM 4449 Intercollegiate Debate I-IV 1-4 hrs.

This course provides training for and participation in intercollegiate debate tournaments at colleges and universities throughout the eastern United States. Credit is also given for researching the intercollegiate debate proposition for the current academic year. Maximum credit in any one semester is one hour. Open to juniors and seniors. (Freshmen and sophomores, see COMM 2249.) PR: COMM 2241.

COMM 4491 Directed Study in Speech Communication 1-4 hrs.

The student may elect directed study in any area of speech communication which is not treated in the speech course offerings. Coursework is designed by the student and selected faculty, with approval of the School's Dean. Maximum credit earned in any one semester is one credit hour. PR: Instructor Approval Required.

COMM 4495 Seminar in Communication Issues 3 hrs.

Writing Intensive

This course is designed to provide extensive knowledge and background in a selected communication issue (ethics) or skill (listening). Fall semester (Ethics in odd years, Listening in even years). PR: ENGL 1108.

COMM 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

COMPUTER SCIENCE

COMP 1100 Introduction to Computing 3 hrs.

This course provides an overview of the current state of computing and its social implications. This is intended to be used as a breadth-first introductory course for majors and non-majors. Topics include organization of a computer system, discussion of a broad range of software systems, problem solving, database systems, networking, computer security, ethical issues, and emerging areas in computer science.

COMP 1101 Applied Technical Programming 3 hrs.

This course will provide an introduction to the BASIC programming language and familiarity with microcomputer hardware and operating system commands. Several short programming projects will be assigned. The emphasis of the projects will be technological applications. This course may not be substituted for either COMP 1100 or 1102. PR: MATH 1101.

COMP 1102 Principles of Programming I 3 hrs.

A study of the foundations of software development. Students are introduced to computer organization, data representation, the software development cycle, and programming concepts including control structures, functions, elementary data structures and text file processing. Programming projects in the language C++ are assigned to provide students with experience in software development. PR: MATH ACT score of 21 or MATH SAT score of 500 or Compass score of 49 or MATH 1100.

COMP 1108 Principles of Programming II 3 hrs.

This course is a continuation of COMP 1102 and covers storage classes, structures, pointers, dynamically allocated lists, non-text files, and concepts of OOP (Object Oriented Programming), including objects and classes, encapsulation, inheritance, and polymorphism. Projects in C++ are assigned to provide students with experience implementing larger multi-part applications using these concepts. PR: COMP 1102.

COMP 1199 Special Topics in Computer Science 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

COMP 2200 Object-Oriented Programming 3 hrs.

This course covers concepts of object-oriented programming using the Java programming language. Topics include objects and classes, encapsulation, inheritance, polymorphism, generic programming, exception handling, graphical user interface, and event-handling. PR: COMP 1108.

COMP 2201 Machine Organization 3 hrs.

Offers the student a better understanding of how programs are executed by the hardware. Topics include assembly language instructions, data representation, subroutine calling conventions, BIOS and DOS service routines, interrupt handling, and communication between hardware devices. Programming projects are assigned to exemplify the topics covered in class. PR: COMP 1108.

COMP 2220 Fundamentals of Computer Security 3 hrs.

Topics to be covered in this course include access control, physical security, hacking, malicious code, intrusion detection, vulnerability assessment, countermeasures, network architectures, firewalls, network security, cryptography, forensics, certification and accreditation and legal and ethical issues. The course consists of three hours of lecture per week. PR: COMP 1100 or 1101 or 1102.

COMP 2230 Network Programming 3 hrs.

This course covers the design and implementation of software applications in a networked environment. Topics include a broad overview of network technology, the OSI model, socket programming, multithreading, and web programming. PR: COMP 2200.

COMP 2270 Data Structures 3 hrs.

This course covers linear and non-linear data structures and their associated algorithms. Topics include analysis of algorithms using Big-O notation, linear data structures (linked lists, stacks, and queues), non-linear data structures (trees and graphs), and hash tables. PR: COMP 1108.

COMP 3300 Computer Graphics 3 hrs.

This course provides an overview of interactive graphics programming. Topics include the design of a simple graphics package, interactive devices and techniques, geometrical transformations and viewing in three dimensions. Representation of three-dimensional shapes is also developed. PR: COMP 2270 and MATH 1190.

COMP 3310 Artificial Intelligence 3 hrs.

An introduction to AI techniques, using a symbolic or logic-based programming language. Topics covered include knowledge representation, heuristic search, natural language processing, game playing, theorem proving and expert systems. Programming projects are assigned to illustrate these concepts. This course meets three hours per week for lecture. PR: COMP 2270 and MATH 2200.

COMP 3330 Analysis of Algorithms 3 hrs.

This course covers complexity of algorithms and algorithm design techniques. Topics include analysis of algorithm correctness, analysis of algorithm efficiency using asymptotic notations, algorithm design techniques including brute-force, divide-and-conquer, greedy, and dynamic programming approaches. PR: COMP 2270 and MATH 2216.

COMP 3340 Operating Systems 3 hrs.

This is an introduction to historical and current operating systems' principles and operation. Topics include the function and operation of the major areas of the operating system such as user interfaces, process control, synchronization, primary and secondary memory management, I/O, controls, concurrent processes and security issues. PR: COMP 2201 and COMP 2270.

COMP 3380 Cryptography in Computer Security 4 hrs.

This course provides an introduction to cryptography. Major topics to be covered include the history of cryptography and secret and public key encryption. A cryptography laboratory will be provided to demonstrate various applications of cryptography, such as digital certificates, digital signatures, IPSec, Kerberos, PGP, PKI, Rijndael, secure e-mail, SSL and TLS. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 2270 and MATH 2216.

COMP 3390 Network Security Technology 4 hrs.

This course combines classroom and laboratory work to explore network security attacks and solutions. Commercial-Off-The-Shelf (COTS) network devices such as servers, routers, bridges, switches, hubs, firewalls, scanners and intrusion detection systems will be configured to demonstrate network security solutions for selected real-world scenarios. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 3340, and INFO 2250.

COMP 3395 Ethical Issues in Computing 3 hrs.

Writing Intensive

This course provides an introduction to various legal and ethical issues in computing. Topics to be covered include privacy rights, intellectual property rights, electronic transactions and liabilities, hacking, computer crime, encryption policies, offensive speech, anonymity, employee monitoring and e-mail policies, censorship, AI/expert systems, codes of ethics (ACM, IEEE, ISC(2) and NSPE) and political freedom. PR: COMP 1100 and ENGL 1108.

COMP 4400 Automata and Language Design 3 hrs.

This course covers the theoretical foundations of computer science and the abstractions of computational processes in programming languages. Topics include formal languages, grammars, automata, Turing machines, programming language paradigms, data types, expressions, control structures, binding strategies, run-time environments, compilers, and interpreters. PR: COMP 2270 and MATH 2216.

COMP 4410 Database Management 3 hrs.
Students will develop familiarity with database terminology and will study database design and implementation. The primary focus will be on the relational model, relational algebra and SQL. Issues of dependencies, normal forms, data integrity and query optimization will also be discussed. PR: COMP 2270.

COMP 4415 Vulnerability Assessment 4 hrs.
This course provides theoretical and practical instruction for assessing computer vulnerabilities and countermeasures. Topics to be covered include firewalls, hacking, intrusion detection, incident response, penetration testing and security policies. The laboratory portion of the course will provide hands-on experiments connected with various vulnerability assessment and countermeasures topics. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 3390.

COMP 4420 Selected Advanced Topics 3 hrs.
This course will address current topics of interest in computer science, to be determined by the instructor and approved by the department chair. PR: COMP 3330.

COMP 4421 Computer Science Special Project 3 hrs.
Each student enrolled in this course will develop an independent project under supervision of the instructor. The project will be a practical application of computer science. The student and instructor will agree on the nature of the project necessary to satisfy the course requirement. PR: Instructor Approval Required.

COMP 4440 Software Engineering 4 hrs.
Three hours lecture and two hours laboratory. This course covers the key aspects of software engineering principles and practice. Topics include software life cycle/process models, software requirements, software design, software testing, team management, and project management. This course also provides a capstone experience, integrating the knowledge students have acquired in previous courses, as they work on a team-based software development project. PR: COMP 2200 and COMP 2270.

COMP 4495 Computer Security Internship 3 hrs.
This course allows students to obtain real-world computer security work experience through an internship with either a government agency or local high technology company. PR: COMP 3395 and COMP 3390.

COMP 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

CRIMINAL JUSTICE

CRJU 1100 S-C&TC Introduction to Criminal Justice 3 hrs.
This course introduces the student to the three principal components of the criminal justice system: law enforcement, the judiciary and corrections. It will examine the history, structure, functions and issues of each component, and introduce the student to the measurement of crime, criminological theories, criminal law, justice perspectives and the juvenile justice system.

CRJU 1101 S-C&TC Police Operations 3 hrs.
The student will be introduced to the day-to-day duties of a police officer. Emphasis will be placed on community and human relations, patrol and traffic functions, order maintenance, report writing, investigations, communications, interviewing, search and seizure and arrest. Police stress and survival skills will also be discussed.

CRJU 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

CRJU 1199 S-FSU Special Topics in Criminal Justice 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. PR: CRJU 1100.

CRJU 2202 S-FSU Principles of Criminal Law 3 hrs.
Structure, definitions and interpretations of criminal statutes of particular interest. The course will cover the scope, purpose and definition of criminal law in general, including the study of crimes against individuals and property and other offenses.

CRJU 2203 S-C&TC Computer Crime: Legal Issues and Investigation Procedures 3 hrs.
This course provides an overview of computer crime and procedures which forensic computing specialists, law enforcement investigators and prosecutors must invoke to successfully prosecute computer criminals.

CRJU 2204 S-C&TC Police Defense Tactics 1 hr.
The student will be exposed to methods of physical protection, including the techniques of baton use, disarmament, and defense techniques.

CRJU 2205 S-C&TC Natural Resources Laws 3 hrs.
This course involves a study of the state Natural Resources Laws dealing with the objectives of the Department of Natural Resources, the meaning of these various laws and regulations and the authority granted officers in their enforcement. PR: CRJU 1100.

CRJU 2206 S-C&TC Introduction to Corrections 3 hrs.
A survey of the current correctional process in America, including the origin and legal procedures of the present system and its effects on the individuals as well as on our society. Special emphasis is given to current theories of rehabilitation in the institution and in probation and parole. Students will also be introduced to the administration of the adult and juvenile institutions and the alternatives to and future of the present system.

CRJU 2209 S-C&TC Firearms 3 hrs.
This course addresses safety precautions, legal provisions, moral aspects, principles of decision shooting and restrictions in the use of firearms. Nomenclature and the firing process of the sidearm and shotgun will be demonstrated. PR: CRJU 1100.

CRJU 2212 S-FSU Deviant Behavior 3 hrs.
A study of the recognition and handling of abnormal persons with emphasis on those mental conditions most often encountered by the criminal justice practitioner. Methods of crisis intervention, basic conflict management and referral and diversion will also be discussed.

CRJU 2215 S-C&TC Introduction to Private Security 3 hrs.
This course will analyze the evolution, philosophy, responsibilities and functions of the private security industry. It will include risk

management, occupational safety and health, public relations and loss prevention measures. The student will examine similarities and differences between private security and public policing. PR: CRJU 1100.

CRJU 2218 S-C&TC Police Administration 3 hrs.

A survey of public police administration, this course covers political influences and controls, principles of leadership, interpersonal and organizational communication, human resource management, labor relations, information systems and applications, planning and decision making, financial management, measurement of productivity and organizational change. PR: CRJU 1101.

CRJU 2220 S-FSU Juvenile Justice Process 3 hrs.

This course addresses definitions of delinquent behavior, contributing social problems, adolescence as a subculture, the philosophy and practice of adjudication process for juveniles and treatment procedures.

CRJU 2226 Crime Scene Investigation 3 hrs.

This course will examine all aspects of performing a thorough and methodical crime scene investigation. This course will address a variety of crime scene ranging from crimes of violence to property crime scenes. Various types of physical evidence such as latent prints, trace evidence, biological fluids will be examined. The methods and procedures utilized for the collection of evidence will be demonstrated and examined. PR: CRJU 1100

CRJU 2236 S-C&TC Criminal Investigation 3 hrs.

This course will survey the fundamental techniques of criminal investigation. Students will be exposed to the history of criminal investigation and criminalistics, interviewing and interrogation, physical evidence, crime scene procedures, crime analysis, investigation techniques, report writing, case preparation and courtroom testimony. PR: CRJU 1100.

CRJU 2240 S-FSU Adjudication Process 3 hrs.

Topics include the role and structure of prosecution, public defense, and the courts; basic elements of the substantive criminal law and procedural law and its relation to constitutional guarantees. PR: CRJU 1100.

CRJU 2246 S-FSU Criminal Evidence 3 hrs.

This course covers constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment; the origin, development, philosophy and constitutional basis of evidence; kinds and degrees of evidence and rules governing admissibility; and judicial decisions interpreting individual rights and case studies. The primary focus is on the case study approach. PR: CRJU 1100.

CRJU 2250 Cybercrime 3 hrs.

This course is an introductory course in cyber crime and criminal justice. This course will focus on cyber crime perpetrated via computers and/or other electronic means. This course also addresses the legal issues involved in cyber crime investigations.

CRJU 2255 S-FSU Law of Corrections 3 hrs.

This course is designed to introduce the student to the concepts of law related to the rights of the accused and convicted in the corrections environment, both pre-conviction and post-conviction. Topics include the constitutional rights of pretrial detainees and prisoners, remedies available for the violation of such rights, potential liability (civil and criminal) of corrections officials for violation of such rights and some practical applications of such principles. The course will utilize the case study method in combination with lectures and readings to achieve the stated goals. PR: CRJU 2206.

CRJU 2256 S-C&TC Homicide Investigation 3 hrs.

This course will examine all aspects of performing a thorough and methodical death investigation. The course will address the initial arrival, securing the scene, forensic evidence, follow-up, causes and motives. Suicides, accidental deaths, natural causes, homicide, serial and mass murder will also be examined. Students will learn about the importance of latent prints, blood spatters, rigor mortis, livor mortis, entomology, bite marks, interrogations and current software to aid in an investigation. PR: CRJU 2236.

CRJU 2257 S-C&TC Risk Management 3 hrs.

This course is designed to assist the student in obtaining an advanced understanding of risk management. The process of risk management is utilized in determining your assets, vulnerabilities, and threats and then protecting them. Required core class for the Homeland Security Degree Program. PR: Must be admitted to the A.A.S. Homeland Security Degree Program or Pre-Homeland Security Program. PR: CRJU 1100.

CRJU 2260 S-C&TC Terrorism, Counter Terrorism, and Terrorism Response 3 hrs.

This course is designed to provide the beginning student with a basic understanding of the history of terrorism, its impact on society, the domestic and foreign evolution of terrorism, various terrorist groups around the world, and the appeal of terrorism to fringe and un-empowered groups. The course will also examine the law enforcement responses to terrorism. Required for the Criminal Justice Track of the HS AAS Degree. PR: Must be admitted to the A.A.S. Homeland Security Degree Program or Pre-Homeland Security Program. PR: CRJU 1100, 1101.

CRJU 2266 S-C&TC Sex Crimes 3 hrs.

This course will examine all aspects of performing a thorough sex crime investigation. The course will also examine sexual behavior, theories of sexual deviance, nuisance sex behavior, incest, pedophilia and dangerous sex practices. The student will be further exposed to investigative issue such as: bite marks, latent prints, interrogation, and profiling. PR: CRJU 1100, CRJU 2236

CRJU 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

CRJU 2295 Ethics in Criminal Justice 3 hrs.

This course introduces the student to ethical decision making. The student will analyze the major ethical perspectives and then incorporate them into the social and criminal justice context as it relates to law, police, courts, and corrections. The course also addresses the future development of ethics in everyday life.

CRJU 2299 S-C&TC Special Topics in Criminal Justice 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's Chair. Credits earned will be applicable as free electives in degree and certificate programs. PR: CRJU 1100.

CRJU 3300 Criminalistics 3 hrs.

Students will study the scientific approach to collecting and analyzing physical evidence. The course will expose the student to the procedures of searching and processing crime scenes for fingerprints, body fluids, glass, fibers, tool marks, ballistics, footprints and tire impressions. The student will be instructed in the proper methods of preserving and shipping criminal evidence for analysis, the various laboratory techniques used in analyzing criminal evidence and how expert witness testimony is prepared and presented in court. PR: CRJU 2236.

CRJU 3304 The Female Offender 3 hrs.

Designed to introduce the student to the largest-growing inmate population in the United States. It will introduce the students to the history of women in prison, the profiles of women entering our penal system, and how corrections professionals have responded to the unique needs of women in this male-dominant system. This class also examines the effects on our society of incarcerating females, many of whom are mothers. The course uses a combination of lectures, films, outside readings, and actual visits to facilities housing female inmates. PR: CRJU 2206.

CRJU 3305 Changing Roles of Women in Criminal Justice 3 hrs.

The course will examine issues concerning women within the contemporary criminal justice system. Students will explore theories and current research of the historical role of women as practitioners, offenders and victims.

CRJU 3310 Comparative Criminal Justice 3 hrs.

The objective of this course is to provide materials that will allow students to understand and respect the institutions and procedures of other countries, and to familiarize them with international efforts to control and investigate crime. The study of other countries' criminal justice systems will also provide students with a foundation of knowledge that will lead to an understanding of foreign visitors' and immigrants' world view based on their experiences of criminal justice systems and procedures prior to their arrival in the United States. PR: CRJU 1100.

CRJU 3315 Digital Seizure and Analysis 3 hrs.

This course will introduce students to digital evidence and how to handle it properly. Students will be introduced to the forensic process so that they understand the importance of proper evidence processing and procedures.

CRJU 3320 Criminology 3 hrs.

The study of deviant behavior as it relates to the definition of crime. Topics include crime statistics theories of crime causation and crime typologies. PR: CRJU 1100.

CRJU 3325 Analysis of Security Operations 3 hrs.

This course is designed to foster an advanced understanding of private and public security. A historical and philosophical perspective will help students better understand risk analysis, physical and procedural controls, intelligence gathering and the principles on which private security is founded,. Other current security issues will be addressed. PR: CRJU 2215.

CRJU 3330 Group Disturbances 3 hrs.

During class discussions, students will explore types of disturbances which occur in the correctional settings and become familiar with strategic planning responses. The course will utilize video graphics, group discussions, lectures and site visits to achieve the stated goals. PR: CRJU 2206.

CRJU 3335 Analysis of Police Operations 3 hrs.

This is a seminar in major police issues. The topics will vary according to the interests of the instructor and students but will focus on current issues in police operations. Topics may include officer selection and promotion processes, academy and field training, corruption and brutality, minorities and women in police work, crime prevention, community relations and community policing. The emphasis will be on determining practical and effective policies and procedures. PR: CRJU 1101.

CRJU 3340 Laws of Arrest, Search & Seizure 3 hrs.

This course will deal with constitutional law relating to the police function. Focus will be on the Fourth, Fifth, Sixth and Fourteenth Amendments, which include reasonable suspicion and probable cause, warrant requirements and exceptions, field stops and interviews, interrogations, right to counsel, pretrial identifications, the exclusionary rule and due process. There will be detailed discussion on the reasons for constitutional protections to engender an understanding of and respect for the rights of all people involved in the criminal justice process. PR: CRJU 1100, 1101.

CRJU 3345 Computer Forensics I 3 hrs.

This course will introduce students to the forensic examination of computers and digital and electronic media. This course will explore the file systems with a focus on the FAT file system and Windows Operating Systems. The emphasis is how to use forensically-sound methodologies to acquire admissible electronic evidence with coverage of computers.

CRJU 3350 Group Techniques 3 hrs.

This course is designed to instruct the student in the principles of group interactions. This information will directly apply to groups within a prison population, with specific information regarding a variety of criminal personalities. PR: CRJU 2212.

CRJU 3355 Analysis of Correctional Operations 3 hrs.

Topics include problems of management in the correctional process; programming, security, information systems, reports, case management and evaluation progress; custody and discipline as they relate to rehabilitative efforts; community adjustment facilities; and problems of probation and parole. PR: CRJU 2206.

CRJU 3360 Community-Based Corrections 3 hrs.

This course is designed to instruct the student in the study of diversion, pretrial release programs, probation, restitution, community service programs, temporary release programs, halfway houses and parole. Emphasis will be placed upon the special problems and needs of females, juveniles and drug-and-alcohol-abusing offenders. The preparation of the pre-sentence investigation report will also be covered. PR: CRJU 2206.

CRJU 3365 Licit and Illicit Drugs 3 hrs.

This course is designed to instruct the student in the understanding of street drugs and their effects on the individual. The course will also examine specialized techniques in drug investigation and the legislation that applies directly to the defenses. PR: CRJU 1100.

CRJU 3370 Economic Crime 3 hrs.

The course content will provide students with an overview of economic/white-collar crime in America. Students will examine definitional problems, difficulties in establishing the scope and extent of economic crime, theories of causation, law enforcement effectiveness, efforts of technology, and a number of related topics. PR: CRJU 1100.

CRJU 3399 Special Issues in Criminal Justice 3-9 hrs.

Forum for special course offerings, focusing upon special issues in criminal justice, by visiting instructors or regular faculty.

CRJU 4401 Independent Study 1-6 hrs.

Students involved in this course will conduct surveys and applied research projects as approved and supervised by a Criminal Justice faculty member. Junior or Senior status.

CRJU 4405 Terrorism 3 hrs.

A course designed to promote understanding of the problem of terrorism and political violence. The course will define terrorism; examine its origins, characteristics, nature and trends; analyze in detail various terrorist organizations and address selected problems in the response to terrorism. (Credit in Criminal Justice or Political Science).

CRJU 4410 Research in Criminal Justice 3 hrs.

Writing Intensive

Students will explore the interaction of theory, research, and practice in the criminal justice process; the purposes and limits of research; introduction to research design, data collection, analytic techniques, data processing resources and preparation of research reports. PR: ENGL 1108. Junior or Senior status.

CRJU 4411 Field Practicum 3-12 hrs.

A supervised professional study conducted in the criminal justice field setting. Junior or Senior status and a 2.5 GPA.

CRJU 4415 Community Policing 3 hrs.

This course provides a detailed analysis of community policing, which is the dominant philosophy for providing police services in the twenty-first century. Topics include the history of community policing, definitions of "community," current strategies for the implementation of this philosophy and the impact community policing will have on crime, disorder and fear. Also included in the course will be a thorough description of the new role of a police officer as a Community Policing Officer and the requirements for success. PR: CRJU 1101. Junior or Senior status.

CRJU 4420 Legal Research 3 hrs.

This course is designed to introduce students to the process of legal research, and to aid the student in attaining proficiency in finding, interpreting according to established legal principles, and applying the law to a given set of facts and circumstances. The goals of the course will be achieved through successful completion of a series of research projects and assessments of fundamental knowledge. Junior or Senior Status.

CRJU 4425 Evaluation of the Criminal Justice System 3 hrs.

Writing Intensive

This is the capstone seminar in criminal justice, with a focus on policy analysis. Students in this course will examine controversial criminal justice issues. Topics of study will vary according to the interests of the instructor and students, but may include capital punishment, gun control, drug policy, crime myths, racism and discrimination in the justice process, white collar crime and corruption. Students will be required to write a major research paper. PR: ENGL 1108, CRJU 1100, 2206. Junior or Senior status.

CRJU 4430 Computer Forensics II 3 hrs.

This course is designed to foster a more advanced understanding of computer file systems. This course provides the data structures associated with volume and file systems. Students will begin utilization of some automated forensic tools to assist in the examination of digital evidence. PR: CRJU 3315 and 3345.

CRJU 4440 Internet Forensics 3 hrs.

This course will examine technologies and data recovery techniques concerning criminal activity on the internet. The course will explore how to identify and analyze criminal activity on the internet including email messages, web pages and web servers. PR: CRJU 3345.

CRJU 4445 Advanced Computer Forensics Investigations Seminar 3 hrs.

The discussion of specific digital forensics and cybercrime topics are emphasized in this course. Students focus on developing digital forensic and cybercrime projects. It is specifically designed to promote the application of the material students have learned related to digital evidence and cybercrime. PR: CRJU 2250.

CRJU 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

DANCE

DANC 1100 S-C&TC Introduction to Social Ballroom Dancing 2 hrs.

This course will introduce students to the study of basic figures of the American Style of waltz, foxtrot, swing, tango, cha cha, and mambo in accordance with the DVIDA bronze level syllabus. Students will also be introduced to the character of each dance, as well as how to recognize the music. This course will enable the student to participate in social occasions requiring ballroom dancing skills, such as weddings and formal social and business parties, as well as informal occasions.

DANC 1107 Introduction to Dance 2 hrs.

This course will be an introduction to basic movement techniques and skills in ballet and various modern and jazz dance styles. Introduction to the fundamentals of improvisation and composition will be covered. Utilizing rhythm and movement as dimensional elements of this space-time art. Students with previous dance experience may receive credit through examination.

DANC 1110 Ballroom Dancing Culture and Repertoire 2 hrs.

This course will introduce students to the history, etiquette, and rhythm of ballroom dancing. Course content will include how each dance has evolved through history and cultural influence. Students will learn how to display proper etiquette in dance, and become aware of this influence personal lifestyle. The study of music and its rhythm as it applies to each dance style will also be a focus.

DANC 1115 Physical Conditioning for Ballroom Dance 1 hr.

This course is designed to introduce students to the good health needs required of professional dancers. Students will be introduced to a variety of activities including proper eating habits, exercise, muscle building, and flexibility programs intended for healthy living. In addition, students will study how to assist future students in these activities.

DANC 1117 Ballroom Fun Dancing 1 hr.

In this eight-week course, students will explore the more "relaxed" dances of ballroom dancing. These dances may include club dances such as salsa, meringue, hustle, and the west coast swing. They will also study the character of each dance, as well as how to recognize the music. This course will enable students to dance through entire songs at parties and weddings. This is an eight-week course and is a free elective open to all students.

DANC 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

DANC 1199 Special Topics in Ballroom Dance 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

DANC 1995 Ballroom Dancing Instruction Practicum 1-3 hrs.

This course will enable the student to learn and practice ballroom dancing teaching skills at the college, schools and other venues such as youth and community groups. Must be taken during three separate semesters at two or three different venues. PR: DANC 1100.

DANC 2201 Bronze Waltz/ Rumba 2 hrs.

In this course, students will complete the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of waltz and rumba plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in these two dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style waltz and rumba at the end of the semester. PR: DANC 1100.

DANC 2202 Bronze Foxtrot/Swing 2 hrs.

In this course, students will complete the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of foxtrot and east coast swing plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in these two dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style foxtrot and east coast swing at the end of the semester. PR: DANC 1100.

DANC 2203 Bronze Tango/Cha Cha 2 hrs.

In this course, students will complete the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of tango and cha cha plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in these two dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style tango and cha cha at the end of the semester. PR: DANC 1100.

DANC 2204 Bronze Viennese/Bolero/Mambo 2 hrs.

In this course, students will complete the ten (10) figures that compose the DVIDA Bronze syllabus in the American style of Viennese waltz and bolero and the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of mambo plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in these three dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style Viennese waltz, bolero, and mambo at the end of the semester. PR: DANC 1100.

DANC 2255 Best Practices in Studio Management 2 hrs.

The emphasis of this course is on identifying and responding to appropriate business, ethical, promotional, and creative challenges that happen when managing/owning a performing arts studio. Topics include (but not limited to) studio site selection, curriculum development, client services, creative marketing/promotion, staff development, and industry outlets for advancement. Students are expected to analyze examples via news articles and multi-media, discussing ethical issues, developing appropriate courses of action. Course assessments will include individual research and reporting on current trends and creating a mock studio profile.

DANC 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

DANC 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

DRAFTING

DRFT 1100 S-C&TC Engineering Graphics 3 hrs.

This introductory course covers basic drawing processes and techniques, including freehand lettering, geometric construction, sketching, multi-view and pictorial drawing, dimensioning and sheet layout. Tools, drawing surfaces, computer graphics, and projection theory will be stressed throughout the course.

DRFT 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

DRFT 1199 Special Topics in Drafting 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

DRFT 2200 S-C&TC Fundamentals of CAD 3 hrs.

This is an introductory Computer Aided Drafting (CAD) course. Software to be covered will be Windows and the use of AutoCAD. The student will learn on a PC workstation and become familiar with plotters and printers.

DRFT 2205 Introduction to Solid Modeling 3 hrs.

An introduction to conveying information as to the shape, size, and formation of a three-dimensional object. Topics include technical sketches, drawings and illustrations for parts catalogues. Content areas include isometrics, perspectives, three-dimensional wire frames and solid models. Three-dimensional rendering will also be explored. PR: DRFT 2200.

DRFT 2215 Architectural Drafting 4 hrs.

A comprehensive study of the planning, design and drawing of a single-family residence. Primary considerations include the site, styling, codes, zones and basic construction techniques. Modern house planning results in a complete set of plans and specifications. PR: DRFT 2200.

DRFT 2225 Descriptive Geometry 3 hrs.

A study of the science of graphic representation and solution of space problems involving points, lines, intersections, parallelism, perpendicularity, revolution, vectors, developments, shades and shadows, conics, and spherical triangles.

DRFT 2235 S-C&TC Technical Drafting 3 hrs.

This course covers advanced drafting and design techniques by using a computer graphics workstation. The course content will include industrial detail drawing, electrical/electronics drawing, topographic mapping, pipeline drawing and production/working drawings. PR: DRFT 2200.

DRFT 2245 Architectural Design 3 hrs.

As approach to the development of residential design problems. Sketching, interior perspective and rendered perspective will be covered to prepare interior design majors. Content covers: architectural, pictorial and presentation drawings. PR: DRFT 2200.

DRFT 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

DRFT 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

DRFT 2995 Tool Design 4 hrs.
This course covers the design of tooling, including jigs and fixtures for machine operations such as drilling, reaming, tapping, milling and turning. Study will include modern tooling techniques, the use of computer graphics, tooling economics and development of jigs and fixtures that meet ANSI standards. PR: DRFT 2200. Capstone course.

EARLY CHILDHOOD

EC 1105 Development of Young Children 3 hrs.
The student will study the physical, social, emotional, and cognitive development of young children with the focus on the preschool period from ages three through five. The course emphasis will be on applying the theories and research of child development to practices and procedures used when working with young children in an early childhood program.

EC 1106 Health and Safety in Early Childhood Programs 2 hrs.
This course provides an introduction to health and safety requirements and responsibilities for individuals working in early childhood programs. Health, nutrition, and safety policies, procedures, and practices are studied. Students will meet state health and safety licensing requirements for child care employees.

EC 1107 Early Childhood Curriculum 3 hrs.
The student studies how to plan, prepare and implement developmentally appropriate curriculum for early childhood programs. Opportunities for hands-on learning experiences are provided. Practicum experience is required. Students must register for a laboratory session. PR: EC 1106 and EC 1130 with a grade of C or better in each.

EC 1130 Foundations of Early Childhood 3 hrs.
Students become familiar with various types of early childhood programs and the career opportunities they provide. The history of early childhood is introduced as well as current trends and quality program criteria. Concepts for providing developmentally appropriate practices are introduced.

EC 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

EC 1199 Special Topics in Early Childhood 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

EC 2206 The Child in the Family 3 hrs.
This course examines relationships between the young child and other members of the family unit and the relationship between the family and the early childhood program. The focus is on the child during infancy, toddler and preschool years. Studies include the diversity of family lifestyles and cultures.

EC 2230 Classroom Strategies 3 hrs.
Students study theories of early childhood education with emphasis on classroom management, teaching methods, assessment and behavior guidance. Student's demonstrate their knowledge and understanding of theories and best practices by preparing appropriate thematic units and lesson plans for preschool children. PR: EC 1106, EC 1130 with a grade of C or better in each.

EC 2231 Administration of Programs 3 hrs.
This course allows students to study early childhood programs from the perspective of the person serving in the role of leader and administrator. Studies include the planning and development of a program or center, budgeting issues, environmental planning and preparation, state licensing regulations, health and safety guidelines, staffing and personnel issues and parent-school relationships.

EC 2232 Early Childhood Practicum I 3 hrs.
The student will gain practical experience interacting with young children as a practicum student in a community early childhood program and in the campus Laboratory Preschool. PR: EC 1107 and EC 2230 with a grade of C or better in each.

EC 2240 S-C&TC Infant Toddler Development and Care 3 hrs.
The physical, social, emotional, cognitive and language development of the child from conception to age three will be studied. The course will include developmentally appropriate practices to use when caring for infants and toddlers in a group setting as well as in a private home.

EC 2283 Cognitive Development 3 hrs.
Students study theory and research relevant to the cognitive development of children during early childhood. Emphasis is placed on applying theory and research to behavior guidance and curriculum planning. PR: EC 1105 and EC 1130 with a C or better in each and students must demonstrate a competency in general math skills. This competency can be demonstrated through on-campus math placement testing or successful completion of Math 0093, General Math.

EC 2289 Guided Experience II VAR 1-4 hrs.
This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

EC 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

EC 2995 Early Childhood Practicum II 4 hrs.
Students will utilize the knowledge and skills from all theory and practicum courses as they participate in an early childhood program. Lesson planning, preparation and presentation will be required as the student gains actual teaching experience. PR: EC 2232 with a grade of C or better. Capstone course.

ECONOMICS

ECON 1199 Special Topics in Economics 1-6 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree and certificate programs.

ECON 2200 S-FSU Economics 3 hrs.

Economics 2200 is a General Studies course for non-business majors, which provides the student with a broad background in the field. The student will be exposed to micro- and macroeconomic theory and international economics, and should develop adequate knowledge to understand the role of economic systems and the application of economic principles in modern society.

ECON 2201 S-FSU Economic Principles and Problems I 3 hrs.

This course approaches the subject from the point of view of macroeconomics, studying the nature and method of economics and describing how the capitalist system functions. Further study is made of the business cycle, fiscal policy, monetary policy, gross national product, and similar concepts. Some time is devoted to the study of competing economic systems.

ECON 2202 S-FSU Economic Principles and Problems II 3 hrs.

This course is devoted to microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm, and includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: monopoly, agriculture, international trade, labor, economic development and similar issues. PR: ECON 2201.

ECON 4406 Guided Economic Study 1-3 hrs.

Intensive reading, research, and study in current literature and documents in regard to a selected economic problem or group of problems. The field of study will be one in which the student has a special interest. All work will be done individually and the class will be conducted by conferences with each student. PR: Instructor Approval Required.

ECON 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

EDUCATION

EDUC 1105 S-C&TC Basic Skills for Instructional Support 3 hrs.

This course will cover learning strategies and study skills for the paraprofessional, including strategies for remembering information, reading and taking notes, interpreting graphic aids, improving time management, preparing for and taking tests and finding and using information. In addition, math strategies and learning problems in mathematics, plus reading skills, phonics, sight words, and reading comprehension will be covered.

EDUC 1199 S-FSU Special Topics in Education 1-12 hrs.

The topic to be studied will be determined by the instructor and approved by the Dean of Teacher Education. Credits earned will be applicable as free electives in degree and certificate programs.

EDUC 2200 S-FSU Introduction to Education 3 hrs.

This course provides the teacher candidate with an overview of the profession. Its primary purpose is to offer information necessary for an informed career decision and a professional commitment to teaching. It also includes an analysis of the historical, philosophical and sociological basis for programs, instructional strategies and teaching behaviors in American education.

EDUC 2201 S-FSU Instructional Technology 3 hrs.

Designed to introduce teacher candidates (Pre K-adult) to computer technology and its applications to the classroom and curriculum. The major focus of the course will be interactive technology via the computer, although other forms of technology will be explored. Special emphasis will be placed on customizing instruction to meet learning styles of a diverse student population and evaluation of current software applications.

EDUC 2202 S-FSU Human Growth and Development 3 hrs.

This course is an analysis of human development from birth through adolescence. Students will examine the influence of heredity and environment on the development of personality and behavior and their implications for educators. Admission to Teacher Education.

EDUC 2202L Human Growth and Development (Clinical I) 1 hr.

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting, or a comparable field-based setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings with students and adults. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiencies in the professional role for which s/he is preparing. The teacher candidate may observe, assist, tutor, instruct, or conduct applied research in the clinical experience setting. PR/CR: EDUC 2202 and admission to Teacher Education.

EDUC 2206 S-C&TC Instructional Support Strategies 3 hrs.

This course will cover legislation affecting special education laws and the learning experience, the difference between mainstreaming and inclusion, the IEP and the self-contained classroom for the paraprofessional. Students will also learn about implementation of effective classroom management. Behavioral support in a positive learning environment and the role of the family, for encouraging and including parental input in an educational plan, will be included.

EDUC 2220 S-FSU Introduction to Special Education 3 hrs.

This course is a guided survey of the areas of exceptionality in the field of Special Education (emotionally/behaviorally disturbed, physically handicapped, speech and language, visually impaired, hearing impaired, mentally impaired, gifted, and learning disabled), and the historical, philosophical, political and sociological foundations related to exceptional children. The laboratory component of the course is designed to provide experience in the areas of exceptionality through observation and limited participation in these areas.

EDUC 2225 Computer Education 3 hrs.

In this course, students study the history of computers in society and education. The focus of the course is on understanding the theories supporting computer use in schools, the ways computers are used, and the effects of computer-based instruction on student learning. Admission to Teacher Education.

EDUC 2226 Technology in Instruction 3 hrs.

This course prepares the pre-service teacher to fully plan, implement and evaluate statewide technology plans. Content includes technology standards, resources, and planning; online education and curriculum integration and design. Admission to Teacher Education.

EDUC 2995 S-C&TC Behavior Support Strategies 3 hrs.

This course presents basic principles and practices in the use of applied behavior management with both normal and exceptional learners for the paraprofessional. Students will gain firsthand experience in using behavior analysis and other behavioral support strategies in field settings. Capstone course.

EDUC 3300 Planning, Assessment, and Management 3 hrs.

A methods course in which K-6 teacher candidates analyze the role of an elementary teacher as a manager of the learning environment through planning, assessment data, and research-based best practices. Key concepts investigated include: types of planning, effective teacher practices, organization of the physical environment, behavior management, instructional management, assessment methods, and use of assessment data. Activities will focus on the acquisition of knowledge, skills, and dispositions through practice in selecting appropriate goals and strategies, and in designing effective discipline and management techniques. PR: Admission to Teacher Education.

EDUC 3307 Instructional Technology II 3 hrs.

This course prepares the pre-service teacher to utilize school-wide classroom technology applications. Hardware, software, advanced applications, computer lab operations and school-wide assistance are the major areas of intent in the course. Admission to Teacher Education.

EDUC 3330 The Reading Process 3 hrs.

Writing Intensive

This course examines the components of reading, with emphasis placed upon word attack skills, reading comprehension and factors which affect reading progress. Admission to Teacher Education. PR: ENGL 1108.

EDUC 3331 Reading in the Content Areas 3 hrs.

Writing Intensive

This is a reading methods course designed to provide content teachers with background information and instructional competencies necessary for teaching the reading and study skills essential to learning other subjects. This course also provides a rationale and practical applications for integrating instruction in the reading process across all content areas. Admission to Teacher Education. PR: ENGL 1108.

EDUC 3332 Pedagogy of Literacy (Reading and Language Arts Methods) 3 hrs.

Designed to address the curriculum, content, methods, materials, and assessment of effective literacy and language arts instruction in the elementary classroom. This course emphasizes analysis of developmentally appropriate standards and objectives, instructional models, active learning strategies, and evaluation methods for reading, handwriting, grammar, spelling, writing, oral communication, and listening. Attention is given to lesson and unit planning, selection of materials and resources needed to implement those plans, and assessment of learning at the age and grade level appropriate to the learner. PR: Admission to Teacher Education, EDUC 3330, or taken concurrently and EDUC 3331.

EDUC 3350 Elementary Social Studies Methods 3 hrs.

This is a methods course in which prospective K-6 teachers translate content specific skills to the developmental levels, intellectual, emotional and social needs and learning styles of students. Activities focus on the acquisition of knowledge, skills, and dispositions through practice in selecting appropriate content, goals, and strategies for K-6 students and designing effective teaching and evaluation procedures. PR: Admission to Teacher Education and EDUC 3330.

EDUC 3351 Inclusive Classroom Practices for Individual Differences 3 hrs.

Writing Intensive

This course is designed to prepare teacher candidates with a foundation for educating students with special needs in inclusive public school settings K-12. It provides information about the spectrum of students: those considered low and high incidence disabilities, those from culturally diverse backgrounds, and those at risk for school failure. It presents strategies for differentiating instruction, instructional adaptations and approaches to responding to students' behavior, and building social relationships. Approaches to analyzing, assessing and evaluating student needs and learning are addressed. Admission to Teacher Education. Must be taken the semester prior to Clinical III. PR: ENGL 1108.

EDUC 3351L Inclusive Classroom Practices for Individual Differences (Clinical II) 1 hr.

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting, or comparable field-based setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings with students and adults. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiencies in the professional role for which s/he is preparing. The teacher candidate may observe, assist, tutor, instruct or conduct applied research in the clinical experience setting. Admission to Teacher Education.

EDUC 3352 Educational Psychology 3 hrs.

Writing Intensive

This is a representative survey of psychology, emphasizing the application of prominent theories as they relate to the teaching and learning process. Teacher candidates will learn to apply their knowledge base with regard to many significant aspects of classroom decision-making, including planning, instructional strategies, student motivation, appropriate assessment and the management of an effective learning environment. Admission to Teacher Education. Must be taken the semester prior to Clinical III. PR: ENGL 1108.

EDUC 3352L Educational Psychology (Clinical II) 1 hr.

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting, or comparable field-based setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings with students and adults. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiencies in the professional role for which s/he is preparing. The teacher candidate may observe, assist, tutor, instruct or conduct applied research in the clinical experience setting. Admission to Teacher Education.

EDUC 3395 Secondary Classroom Organization and Practices 4 hrs.

This is the culminating methods course in which teacher candidates make the transition from the college to the public school setting with student interactions between the two in the following general areas:

1) organization, schedules, policy, and procedures in a public school setting
2) planning for instruction within the public school curriculum guideline
3) effective management practices within public school policy guidelines
4) developing, selecting, and administering evaluation/assessment instruments
5) implementing best practice instructional strategies
6) communicating effectively
7) exhibiting professionalism and reflecting upon the teaching/learning process. Admission to Teacher Education.

EDUC 4490 Elementary K-6 Student Teaching/Clinical II 12 hrs.

Full-time involvement in the teaching-learning process in a public elementary school (K-4/K-6) setting is required for successful completion of this course. Student teachers will observe, assist and teach under the supervision of a cooperating public school teacher and college personnel. Admission to Teacher Education.

EDUC 4495 Secondary/Pre-K-Adult Student Teaching/ Clinical III 8 hrs.

Full-time involvement in the teaching-learning process in a public elementary, middle or secondary school setting is required for successful completion of this course. Student teachers will observe, assist and teach under the supervision of a cooperating public school teacher and college personnel. Admission to Teacher Education.

EDUC 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

ELECTRONICS ENGINEERING TECHNOLOGY

ELEC 1100 Circuit Analysis I 3 hrs.

Introduction to the concepts of voltage, current, resistance, capacitance and inductance. Also covered are Kirchoff's Laws, with applications in basic DC-AC, series-parallel circuits. Basic electromechanical devices and transformers are studied. CR: MATH 1101 or 1115.

ELEC 1199 Special Topics in Electronics Engineering Technology 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

ELEC 2200 Shop Practices 3 hrs.

The student will build a breadboard to be used in subsequent courses. Skills covered in this course include PC board layout and construction, soldering, wiring, component selection, metal fabrication, plastic fabrication, wood fabrication and general layout procedures. Note: Extra costs are associated with this course. CR: ELEC 1100.

ELEC 2210 Circuit Analysis II 3 hrs.

Continuation of ELEC 100, including the theory and application of circuit analysis theorems. Also covered are nonsinusoidal waveforms, three-phase circuits and the use of computers in solving problems. PR: ELEC 1100, CR: MATH 1102.

ELEC 2215 Basic Transistors 3 hrs.

Devices studied will include rectifiers, zeners, filters, bipolar transistors and field-effect transistors. The circuitry will include power supplies, the basic amplifier types, multistate amplifiers, power amplifiers, switching circuits and oscillators. PR: ELEC 2200. PR or CR: MATH 1102, ELEC 2210.

ELEC 2220 Linear Electronics 3 hrs.

Study of the basic concepts of linear integrated circuits, including OP amps, regulators, comparators, timers and phase-locked loops. PR: ELEC 2210, 2215.

ELEC 2230 Digital Electronics 3 hrs.

Theory and experimentation with SSI, MSI, and LSI devices and systems, including such basic components as gates, flip-flops, counters, decoders, timers, displays, memories, etc., and such systems as thermometers, tachometers, meters, etc. PR: ELEC 2210, ELEC 2215.

ELEC 2240 Industrial Electronics 3 hrs.

Study of the operation of industrial power control systems, including power devices and control circuits. Power devices covered include relays, contactors, transistors, SCRs and TRIACs. Control circuits include UJTs, PUTs, DIACs, photo-devices, timers and control ICs. PR: ELEC 2220, 2230.

ELEC 2250 AC-DC Machinery and Controls 3 hrs.

Practical aspects in the use and maintenance of AC-DC machinery and power distribution, including motors, generators, starters, speed controllers, breakers, transformers, etc. PR: ELEC 1100, MATH 1102.

ELEC 2260 Communication Systems 3 hrs.

Theory, operation, and maintenance of AVMA, FM, PM and digital communications systems. PR: ELEC 2220, 2230.

ELEC 2270 Microcomputers 3 hrs.

Theory and experimentation with microcomputers, including instruction sets, memories, I/O, programming (machine code, assembler, and high level), interrupts, peripherals and interfacing. PR: ELEC 2230, COMP 1101.

ELEC 2280 Programmable Controllers 3 hrs.

An introduction to programmable controllers and their application to sequential process control. Topics include basic operating characteristics, relays, timers, counters, sequencers, editing and on-line data control. Practical laboratory experiences will be provided in controller applications, programming, installation and maintenance. PR: COMP 1101, ELEC 2230.

ELEC 3300 Advanced Linear Electronics 3 hrs.

Study of linear devices including OP, AMPS, comparators, PLLs, timers, audio ICs, voltage references and current references. The course will include analysis and design concepts for the circuits studied. PR: ELEC 2260, 2270. CR: TECH 3300 OR MATH 1186 or MATH 3315.

ELEC 3310 Advanced Microcomputer Systems 3 hrs.

Continuation of ELEC 2270, with more in-depth study and laboratory work. Topics included are A/D and D/A converters, serial communications, interfacing to power devices, etc. PR: ELEC 2270.

ELEC 4400 Senior Electronics Project 3 hrs.

Writing Intensive

Instructor-approved project integrating concepts from previous courses. This course will allow the student to pursue specialized interests and show that s/he can complete an individual project. Baccalaureate majors only. PR: ENGL 1108, ELEC 3300 and 3310, Instructor Approval Required.

ELEC 4410 Data Acquisition and Control Systems 4 hrs.

Theory and use of data acquisition and control systems, including transducers, signal conditioning circuits, multiplexing, A/D and D/A converters, computers and control devices. Baccalaureate majors only. PR: ELEC 2240, and 3300.

ELEC 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

EMERGENCY MEDICAL SERVICES

EMMS 1100 Introduction to EMS 2 hrs.
This course is designed to acquaint the student with emergency medical services roles & responsibilities, well being of the EMS provider, illness and injury prevention, medical-legal issues, ethics, therapeutic communications, and life span development.

EMMS 1103 Emergency Medical Technician - Basic 7 hrs.
This course provides didactic and practical application in basic life support aspects of pre-hospital care and is based upon the U.S. Department of Transportation's National Standard Curriculum for Emergency Medical Technician - Basics. This course prepares students for the National Registry of EMT's certification examination. There will be six lecture hours and two lab hours each week.

EMMS 1104 Emergency Medical Services-Operation 2 hrs.
This course will include in-depth review of such topics as emergency vehicle operations, medical incident command, rescue awareness and operations, hazardous materials recognition and crime scene awareness.

EMMS 1106 Emergency Medical Services-Practicum I 1 hr.
This course provides the student with the opportunity to observe and apply the skills learned in EMS 103 in a supervised clinical setting including a local hospital emergency department, regional medical command center and on a field EMS unit. A minimum of fifty hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 1107 Basic Trauma Life Support 1 hr.
This two day course is designed to teach EMT's First Responders and other health care professionals to rapidly assess, resuscitate, package, and transport patients with traumatic injuries. Simulated traumatic injuries in situations and scenarios will be used to evaluate the students practical skills. Participants who choose to be certified will be required to pay the necessary certification fees required by State or National certifying agencies.

EMMS 1108 Emergency Medical Services-Pharmacology 3 hrs.
In this course students will learn about pharmacodynamics, pharmacokinetics, drug administration, intravenous therapy and specific medications used in the pre-hospital setting.

EMMS 1109 Cardiopulmonary Resuscitation (CPR) and Workplace Safety 1 hr.
In this course students will learn adult and pediatric basic like support skills CPR and study the numerous health and safety issues associated with health care facilities. The topics include but are not limited to: OSHA standards, emergency preparedness, fire safety, electrical safety, compressed gas safety, tuberculosis/respiratory protection, blood borne pathogens and biological hazards, potential chemical and drug exposures, ergonomic hazards from lifting and repetitive tasks and how to safely handle these potential hazards. This course may be repeated for re-certification purposes.

EMMS 1110 Introduction to Advanced Life Support Skills Lab 2 hrs.
This course introduces the student to the opportunity to develop the psychomotor skills of the paramedic. The Advanced Life Support (ALS) skills are integrated into the curriculum in such a way as to present skills in a sequential, building fashion. Initially, the skills are typically taught in isolation, and then integrated into simulated patient care situations. The ALS Skills are set forth by the U.S. Department of Transportation National Safety Administration EMT Paramedic Curriculum.

EMMS 1111 Home Land Security Practicum I 1 hr.
This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include hospital emergency departments and triage areas, 911 centers, regional medical command center and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 1112 Emergency Response to Terrorism: Basic Concepts 3 hrs.
This course is designed to prepare first-responder personnel to take the appropriate course of action at the scene of a potential terrorist incident. The course will provide students with a general understanding and recognition of terrorism, defensive considerations (biological, nuclear, incendiary, chemical and explosive), as well as command and control issues associated with criminal incidents. The student will be able to recognize and implement self-protective measures, secure the scene, complete appropriate notifications to local, State, and Federal authorities, and assist in completing a smooth transition from emergency to recovery and termination operations. PR: Must be admitted to the A.A.S. Homeland Security Degree Program or Pre-Homeland Security Program.

EMMS 1113 Pediatric First Aid & CPR 1 hr.
This course is designed to identify and prevent injuries in childhood. This course is ideal for anyone involved in pediatrics, childhood education, and child care fields. Accidental injuries are the leading health problem in children over the age of 1 year, and this program helps prepare the user for accidents involving children. This course presents all the latest information and procedures for first aid and CPR. Upon successful completion of the course providers will receive a The National Safety Council course completion card.

EMMS 1114 First Aid & CPR Instructor 1 hr.
During this course you will learn new methods that involve, influence and facilitate adult learning while refining your teaching skills. This course covers a proven, standardized method of teaching first aid, CPR and AED with high effectiveness and you will be provided with the reasons and dynamics behind each topic or visual presentation. The Standard First Aid, CPR and AED course topics include: Breathing and cardiac emergencies in adults, infants and children, identifying and caring for bleeding, sudden illnesses and injuries, preventing disease transmission and introduction to AED's.

EMMS 1115 Principles of Extrication 1 hr.
The goals of this course are to provide a good basis to the principles of extrication rescue techniques through focusing on sound extrication philosophy and the emergency care of the entrapped patient. One of the main objectives of this course is to understand that good patient care during any extrication effort is an important aspect of successful rescues and it is strongly advised that skills in patient treatment be emphasized to the fullest extent. The course includes team organization; rescue and safety considerations. In this course students will explore foundational concepts of safe and effective vehicle extraction.

EMMS 1117 Emergency Vehicle Driving 1 hr.
This course presents a comprehensive emergency vehicle driver training program that is designed to present the necessary classroom, competency course training, and testing for new and existing emergency vehicle drivers. The program will verify proficiency in the knowledge and understanding of, as well as, the practical application to emergency vehicle driving.

EMMS 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits

earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

EMMS 1199 Special Topics in Emergency Medical Services 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

EMMS 2200 Advanced Cardiac Life Support 1 hr.

This two day course is designed to teach EMT - Intermediates, Paramedics, and other advanced life support health care professional the most current knowledge and skills in caring for adult patients with cardiac emergencies. Scenario based instructions is used to teach and evaluate the participants knowledge and skills. A basic understanding of electrocardiography and arrhythmia recognition is recommended. Participants who choose to be certified will be required to pay the necessary certification fees required by State or National certifying agencies.

EMMS 2201 Pediatric Education for the Pre-hospital Provider 1 hr.

This course represents a comprehensive source of pre-hospital medical information for the emergent care of infants and children. Developed by the American Academy of Pediatrics, this course is an exciting program designed specifically to teach pre-hospital professionals how to better assess and manage ill or injured children. PR: EMMS 1103.

EMMS 2202 Advanced Medical Life Support 1 hr.

This course is an education program sponsored of the National Association of Emergency Medical Technicians. The program is endorsed by the National Association of EMS Physicians This program is for all levels of healthcare practitioners committed to providing quality care for patients in medical crisis. AMLS is a course that offers a "think-outside-the-box" method of assessing and managing a patient in medical crisis. It emphasizes using scene size up, interactive group discussion on potential treatment strategies, history, and probabilities in diagnosing a patient's medical problem. AMLS implements an initial assessment-based approach that progresses to a diagnostic-based approach to develop a treatment plan for a specific medical condition.

EMMS 2203 Advanced Life Support Skills Lab 2 hrs.

This course enhances the student's development in the psychomotor skills of the paramedic. The Advanced Life Support (ALS) skills are integrated into the curriculum in such a way as to present skills in a sequential, building fashion. Initially, the skills are typically taught in isolation. In this course the skills are integrated into simulated patient care situations. The ALS Skills are set forth by the U.S. Department of Transportation National Safety Administration EMT Paramedic Curriculum.

EMMS 2207 Airway Management and Advanced Patient Assessment 2 hrs.

In this course students will learn the proper approach to patient assessment and advanced airway management skills for both medical and trauma patients.

EMMS 2208 Pathophysiology and Shock Trauma Resuscitation 3 hrs.

In this course students will learn the general principles of pathophysiology, treatment of shock and recognition and management of specific traumatic emergencies.

EMMS 2209 Emergency Medical Services - Practicum II 2 hrs.

This course provides the student with the opportunity to observe and apply the skills learned in EMMS 2207, 2208 and ALLH 1106 in a supervised clinical setting including a local hospital emergency department, respiratory therapy department and operating room and on a field EMS unit. A minimum of one hundred clinical hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 2210 Medical Emergencies I 4 hrs.

In this course the student will review the pathophysiology, assessment and management of medical patients with pulmonary and cardiovascular emergencies.

EMMS 2211 Emergency Medical Services - Practicum III 2 hrs.

This course provides the student with the opportunity to observe and apply the skills learned in EMMS 2210 in a supervised clinical setting including a local hospital emergency department, respiratory therapy, cardiac care unit, and on a field EMS unit. A minimum of one hundred clinical hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 2212 Medical Emergencies II 4 hrs.

In this course the student will review the pathophysiology, assessment ant management of medical patients with neurological and endocrinological emergencies, allergies and environmental emergencies, infectious and communicable diseases, behavioral, gynecological and obstetrical emergencies.

EMMS 2213 Special Patients & Situations 2 hrs.

In this course the student will take an in depth look at the approach to patients with special needs such as neonatal, pediatric and geriatric patients, patients with mental or physical impairments, or patients with high technology medical devices in the out-of-hospital setting.

EMMS 2214 Emergency Medical Services - Practicum IV 2 hrs.

This course provides the student with the opportunity to observe and apply the skills learned in EMMS 2212 and 2213 in a supervised clinical setting including a local hospital emergency department, pediatric unit, obstetrical unit, psychiatric unit and on a field EMS unit. A minimum of one hundred clinical hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 2221 Home Land Security Practicum II 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include the Center for Rural Emergency Medicine, Local branch of the West Virginia Office of Emergency Services and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 2222 Emergency Response to Terrorism: Tactical Considerations-Emergency Medical Services 3 hrs.

This course is designed for first on-the-scene responding EMS personnel with the responsibility to render patient care to victims of terrorist incidents. The student will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions. The student also will apply their knowledge about responding to a terrorist event, providing patient care, identifying and preserving evidence, managing site safety, documenting the event, and debriefing personnel.

EMMS 2223 Home Land Security Practicum III 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include Local Emergency Planning Committees, Fire Departments, and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 2224 Basic Life Support and Hazardous Materials Response 1 hr.

This course will emphasize critical concerns for emergency medical responders at hazardous materials incidents. Elements of this course include safety issues for emergency medical service hazardous materials response, managing contaminated victims requiring emergency medical assistance, decontamination and treatment procedures of a basic life support nature, and transportation and receiving facilities. The course will assist the student in understanding and complying with Federal regulations and national recommendations concerning emergency medical response to hazardous materials incidents.

EMMS 2225 Home Land Security Practicum IV 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include a branch of the West Virginia Department of Health and Human Resources, a branch of the Federal Emergency Management Agency, and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator.

EMMS 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

EMMS 2299 Special Topics1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

EMMS 2995 Assessment Based Management 1 hr.

This course will serve as the cumulative review and remedial application of what the student has learned in EMMS 2207 - 2214. The course will focus on providing summative evaluation of the student's performance in simulated situations and or scenarios. Capstone course.

ENGLISH

ENGL 0092 S-C&TC Basic Reading and Study Skills 3 hrs.

(See Academic Development Center)

ENGL 0097 S-C&TC Composition Skills 3 hrs.

(See Academic Development Center)

ENGL 1104 S-C&TC Written English I 3 hrs.

This course offers a process-oriented practice in drafting, revising, and editing texts. Students learn the principles of expository writing, thesis formulation, organization, paragraph development, audience analysis, appropriate diction, and sentence structure. The course also includes an introduction to reading for content in texts selected from across the disciplines. PR: Minimum scores of 18 (English) on the ACT, 450 on the SAT-Critical Reading, 71 on the COMPASS test, or successful completion of an appropriate basic writing class (e.g., English 0097). Writing sample scores of 3 and higher. NOTE: English 1104 is a prerequisite for enrollment in all other English courses. A"C" in English 1104 is a graduation requirement for all degrees.

ENGL 1108 S-FSU Written English II 3 hrs.

A continuation of Written English I that provides experience in analyzing and writing argument and persuasive prose. A central feature of the course is a library research project that is intended to develop familiarity with reference sources and skill in summarizing the diverse points of view of multiple sources. PR: A C or better in ENGL 1104. NOTE: the grade of "C" or better in ENGL 1104 and 1108 is a graduation requirement for all degrees.

ENGL 1109 S-C&TC Technical Report Writing 3 hrs.

This course provides practice in writing expository documents and technical reports. In addition to scientific/technical reports and proposals, students also write business letters, memoranda, and other types of written communication common to the industrial and business worlds. PR: "C" or better in English 1104 (Written English I). A grade of "C" or better in English 1109 is required for graduation when English 1109 is required in the student's program of study.

ENGL 2007 Shakespeare Road Trip 1 hr.

The Shakespeare Road Trip provides students with a critical introduction to productions of plays by Shakespeare and others. Fees for tickets and travel expenses will apply. This course may be repeated for credit. PR: ENGL 1108.

ENGL 2220 S-FSU World Literature I: Origins to 1650 3 hrs.

A survey of literary masterpieces from around the world. Readings will include religious texts (such as the Bible, the Koran and the writings of Confucius); the epic (Gilgamesh, Homer, and Dante); poetry (Li Po, Ovid and Petrarch); drama (Sophocles, Shakespeare and non-Western traditions such as Japanese Noh theater); and narrative fiction (tales from The Thousand and One Nights, The Tale of Genji and Don Quixote). PR: ENGL 1104.

ENGL 2221 S-FSU World Literature II: 1650 to the Present 3 hrs.

English 2221 offers a study in literary masterpieces, some in translation, from around the world, including satire (works by authors such as Moliere, Swift and Voltaire); drama (K'ung Shan-Jen, Ibsen, Chekhov and Al-Hakim); poetry (Basho, Keats, Dickinson and Eliot); the short story (Flaubert, Ichiyo, Lu Xun and Gordimer); and the novel (Yasunari, Achebe and Desai). PR: ENGL 1104.

ENGL 2230 S-FSU Introduction to Literature I: Prose Narratives 3 hrs.

A study of narrative art both in fictional forms (the short story, the novel, allegory) and non-fictional forms (autobiography, personal essay), with readings from many cultures within a world context, giving substantial exposure to important works written in the last 100 years and to those written by women and minorities. PR: ENGL 1104.

ENGL 2231 S-FSU Introduction to Literature II: Poetry & Drama 3 hrs.

A study of the forms and conventions of the genres through close reading, discussion, and written response. Students will survey representative works from fifth-century Athens to the most contemporary voices. Relevant exposure will be given to poems and plays by and about women and minorities. PR: ENGL 1104.

ENGL 3301 Theories of Language and their Application to English I 3 hrs.

This course covers the linguistic subjects of syntax, morphology, phonology, semantics and pragmatics, which provide concepts and techniques for understanding languages, with special emphasis upon English. Topics will include descriptive versus prescriptive grammar, dialect and register, synchronic and diachronic language variation, the history of English, language acquisition, the leading theories of language, language theory and the art of composition. Required of all prospective teachers of English; to be taken before Clinic III. PR: ENGL 1108.

ENGL 3302 Theories of Language and their Application to English II 3 hrs.

Continuation of ENGL 3301, emphasizing practical applications to teaching writing and grammar in grades 5-12. Required of all prospective teachers of English; to be taken before Clinic III. PR: ENGL 3301.

ENGL 3303 Survey of Amer Lit I: Beginnings to the 1850s 3 hrs.

Writing Intensive

A study of American literary traditions, from the poets, diarists and chroniclers of the seventeenth and eighteenth centuries to the writers of imaginative and autobiographical prose and poetry of the early/mid 1800s. PR: ENGL 1108 and 2220.

ENGL 3304 Survey of Amer Lit II: The 1850s to the Present 3 hrs.

Writing Intensive

A study of America's literary traditions from the 1850s to the present, including the poets, "local color" writers, naturalists and realists of the late 1800s; the experimental poetry and fiction of the early 1900s; the major dramatists; and a large sampling of the writers from the last half of the century. PR: ENGL 1108 and 2221.

ENGL 3313 Survey of British Literature I 3 hrs.

Writing Intensive

This course offers a study of British literature beginning with Beowulf and continuing through the eighteenth century, including Chaucer, Shakespeare, Donne, Milton, Swift, and Pope. Recent recovery of female writers such as Lanyer, Cavendish, Whitney, and Behn and scholarship on them is also reflected in the design of the course. PR: English 1108 and 2220.

ENGL 3314 Survey of British Literature II 3 hrs.

Writing Intensive

This course offers a study of British literature from the early Romantic period through the present day, including such writers as Blake, Wordsworth, Austen, Tennyson, Dickens, Yeats, Shaw, Woolf, Joyce, Eliot, Beckett, and Auden. The purpose of this course is to give students an overview of the major literary and historical movements in Britain and its colonies in the last two hundred years, while introducing students to a basic vocabulary of literary terms and critical theory. PR: English 1108 and 2221.

ENGL 3320 Literary Criticism 3 hrs.

A study of past and present critical methods and of the theoretical assumptions upon which they are based. PR: ENGL 3303 or 3313.

ENGL 3332 Narrative and Descriptive Writing 3 hrs.

Writing Intensive

Narrative and Descriptive Writing provides intensive practice in narrative and descriptive techniques in fictional, non-fictional, dramatic and poetic modes of writing. Utilizing a workshop format promotes reciprocity in the classroom between professor and students and among students. The course does not require experience in writing creatively but rather provides instruction and practice in the craft of writing. Students work in several creative modes for different audiences and purposes. This course fulfills the General Studies Electives Artistic/Creative Expression/Advanced Option. PR: ENGL 1108.

ENGL 3333 Writing Non-Fiction 3 hrs.

Writing Intensive

Study and practice of the various kinds of expository writing. This course fulfills the General Studies Electives Artistic/Creative Expression/Advanced Option. PR: ENGL 1108.

ENGL 3344 Writing Poetry 3 hrs.

Writing Intensive

A workshop-based, individual-centered course in which students examine the tradition of poetry and poetics and how their own interest in writing poems may work within and against that tradition. The emphasis is on writing, revising and presenting poems in workshop format and potentially professionally. Students will also read and respond to modern poems and essays on poetics. Students are advised to first take ENGL 3332. This course fulfills the General Studies Electives Artistic/Creative Expression/Advanced Option. PR: ENGL 1108.

ENGL 3345 Writing Fiction 3 hrs.

Writing Intensive

A workshop-based, individual-centered course in which students examine the tradition of fiction and how their own interest in writing stories may work within and against that tradition. The emphasis is on writing, revising and presenting stories in workshop format and potentially professionally. Students will also read and respond to modern stories and essays on fiction. Students are advised to first take ENGL 3332. This course fulfills the General Studies Electives Artistic/Creative Expression/Advanced Option. PR: ENGL 1108.

ENGL 3349 Advanced Technical Communication 3 hrs.

Writing Intensive

This course places special emphasis on the preparation and implementation of the extensive, formal report in business, industry and public service organizations. As such, it will feature an introduction and orientation to source materials for advanced technical research and presentation, and it will also address the use of technical language for informed and uninformed audiences. PR: ENGL 1108 or 1109.

ENGL 3354 Children's Literature 3 hrs.

This course offers a survey of literature desirable for children; topics include development of principles of selection and standards of evaluation. Students will develop acquaintance with a wide range of current books. PR: ENGL 1104.

ENGL 3355 Young Adult Literature 3 hrs.

This course offers a survey of literature appropriate for adolescence; topics include development of principles of selection and standards of evaluation. Students will develop acquaintance with a wide range of current books. PR: ENGL 1108, 2220 and 2221.

ENGL 3356 Fantasy, Science Fiction, and Magical Realism 3 hrs.

This course seeks to acquaint students with a number of major works of highly imaginative literature by such writers as George MacDonald, J.R.R. Tolkien, H. P. Lovecraft, Angela Carter, Ray Bradbury, Philip K. Dick, Franz Kafka, Gabriel Marquez, Salman Rushdie, and Jorge Luis Borges. While providing approaches to appreciate and evaluate such texts, the course will also address cultural/literary assumptions about the value of fantasy, both in fiction and in human development. PR: ENGL 1108 and 2221.

ENGL 3361 American Romanticism 3 hrs.

This course studies the works of three or four writers most closely associated with nineteenth-century American Romanticism. Among the writers who may be chosen for study are Irving, Poe, Hawthorne, Emerson, Thoreau, Melville, Whitman, and Dickinson. PR: ENGL 3303.

ENGL 3362 American Realism and Naturalism 3 hrs.

This course offers a study of the work of four or five realist and naturalist writers and the intellectual and historical context in which they worked. Such writers may include James, Twain, Crane, Dreiser, Norris, Howells, Cather, Wharton, Chopin, Jewett, and Garland. PR: ENGL 3304.

ENGL 3363 The American Novel 3 hrs.

This course traces the development of the American novel from the late eighteenth century to the present. Important American novels will be analyzed in a chronological sequence. PR: ENGL 3303 or 3304.

ENGL 3364 Appalachian Literature 3 hrs.

This course identifies and analyzes representative examples of writers and their literature (poetry and prose) that have grown out of the Appalachian Region. Major emphasis is placed on the cultural, historical, geographical, and social elements that have influenced the themes and points of view of the literature. Selected nonprint (film) interpretations of both the region and its literature are a part of the course content and serve as important learning strategies for projecting the tone and atmosphere of the region and in establishing, and reinforcing, its stereotypes and imagery both inside and outside the region. PR: ENGL 1108 and 2221.

ENGL 3365 American Modernism 3 hrs.

This course will examine the artistic and literary movements in the early 20th century that continue to shape ideas of literature, reading, art, and taste. With attention to the avant-garde, readings will include high-modernists like Eliot, Hemingway, and Pound, as well as those writers less obviously participating in the aesthetic directives posed by the era. PR: ENGL 3304.

ENGL 3366 Contemporary Literature 3 hrs.

This course examines the ways in which visual and written texts have illustrated shifts in political and linguistic thought since mid-century. Students will need patience and a good sense of humor and must be prepared to encounter assaults to their most precious assumptions with an open mind. The graphic novel, performance art, experimental poetry, and other hybrid texts will be studied alongside familiar literary forms revised for current concerns. PR: ENGL 3304 or 3314.

ENGL 3370 Literature of the Middle Ages 3 hrs.

This course presents a study of English and continental European literature of the Middle Ages. Genres covered include the chronicle, romance, fabliau, beast fable, lyric, saint's legend and drama. PR: ENGL 3313.

ENGL 3373 Chaucer 3 hrs.

Our primary objective is to read and understand Chaucer's Canterbury Tales in the language in which he wrote. We will learn a bit about the Middle Ages in general, and we will learn that the study of a great medieval poet may teach us something about ourselves. PR: ENGL 3313.

ENGL 3374 Shakespeare 3 hrs.

Writing Intensive

A study of representative histories, comedies and tragedies. PR: ENGL 3313.

ENGL 3375 Later Renaissance British Literature 3 hrs.

This course offers a study of British literature and culture during a century of great change. From the death of Elizabeth I to the Civil War, we will survey poets, drama, comedy, and the rise of women writers. Our major figure for the period is John Milton. PR: ENGL 3313.

ENGL 3377 Literature of the Enlightenment 3 hrs.

This course examines social and intellectual developments of the European Enlightenment through writers representing the perspectives of both the"Ancients" (such as Dryden, Behn, Pope, and Swift) and the "Moderns" (such as Congreve, Defoe, Haywood, and Voltaire). PR: ENGL 3313

ENGL 3378 British Romanticism 3 hrs.

A concentrated study of the works of such writers as Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. PR: ENGL 3314.

ENGL 3379 Literature of the Victorian Period 3 hrs.

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinburne, Mill, Ruskin and Carlyle. PR: ENGL 3314.

ENGL 3380 Twentieth-Century British Literature 3 hrs.

A study of the major texts in 20th-century British literature that reflect the cultural, social and literary issues of the time. Among the writers who may be studied are poets, from Yeats and Eliot to Heaney and Larkin, playwrights such as Beckett and Stoppard and fiction writers, from Joyce and Waugh to Fowles and Drabble. PR: ENGL 3314.

ENGL 3381 The British Novel 3 hrs.

A historical and critical study of significant British novels of the eighteenth, nineteenth, and twentieth centuries. PR: ENGL 3313 or 3314.

ENGL 3382 The World Novel 3 hrs.

This course offers a study of the enduring accomplishments of the novelists of Europe, Latin America, and other regions. Novels to be read may include those of Cervantes in the 1600s; Voltaire and Goethe in the 1700s, Flaubert, Tolstoy, and Dostoevsky in the 1800s; and Kafka, Camus, Kundera, and Marquez in the 1900s. PR: ENGL 1108 and 2220.

ENGL 3383 Epic Tradition 3 hrs.

In this course we will study the evolving epic tradition, covering 4000+ years of history, and draw our reading selections from a wide range of places, cultures, and perspectives. Our focus will be on the canonical western tradition (Homer, Virgil, Milton, et. al.) but we will also make forays into the literatures of the Near East, India, and Africa. PR: ENGL 1108 and either 2220 or 2221.

ENGL 3385 The Arthurian Tradition 3 hrs.

This course surveys Arthurian literature from its 12th-century origins to the present day. It will include analysis of the archaeological evidence for a historical Arthur, as well as the Celtic background from which the legends spring. PR: ENGL 1108.

ENGL 3386 The Bible as Literature 3 hrs.

This course focuses on the literary history, interpretation and genres of the Bible, as well as significant biblical tropes, metaphors and narratives. PR: ENGL 1108 and 2220.

ENGL 3387 Folk Literature 3 hrs.

This course is an analysis of the components and genres of oral folk literature through poetry (the folk song, ballad and instrumentation), narrative (myths, legends, folktales, fables, morals, anecdotes, personal narratives and other forms of folk narrative), and language (verbal lore, such as dialect/accent, beliefs and superstitions, proverbs, sayings, riddles and jokes) within the contextual process of perpetuation (storytelling) and preservation (collecting and motifing). Emphasis will be placed on the Appalachian cultural perspective. A field study will be part of the course. Also listed as FOLK 3300. PR: ENGL 1108 and 2220.

ENGL 3388 Women's Literature 3 hrs.

A study of classic texts in women's literature, including such works as A Room of One's Own, "Tell Me A Riddle," Jane Eyre, Orlando, The Awakening and Adrienne Rich's work. Students will also study the works of such contemporary female writers as Caryl Churchill, Marilynne Robinson, Margaret Atwood, Gloria Naylor, Toni Morrison, Rachel Ingalls and Maxine Hong Kingston. PR: ENGL 1108 and 2221.

ENGL 3389 Minority Literature 3 hrs.

A study of writers and forms traditionally omitted from the American literary canon, this course tracks the writing of people unacknowledged by conventional versions of American history with attention to their experimentation with literary genre and disciplinary boundaries. PR: ENGL 1108 and 2221.

ENGL 3390 Modern Drama 3 hrs.

This course examines world drama from the nineteenth-century to the present. PR: ENGL 1108 and 2221.

ENGL 3391 The Short Story 3 hrs.

This course offers a critical study of this art form based upon the work of authors from around the world. PR: ENGL 1108 and 2221.

ENGL 3392 Contemporary Poetry 3 hrs.

This course focuses on roughly ten poets from around the world whose works have been published in the last thirty years. Discussions of poetic movements and strategies shaped by and influencing the writers and their audiences accompany study of the primary texts. PR: ENGL 1108 and 2221.

ENGL 3393 Southern Literature 3 hrs.
This course offers a study of representative Southern authors and works from colonial times to the present, emphasizing characteristically Southern themes and the diverse points of view that have made up the American South, including those of women, African-Americans, and other minorities. The experience of defeat and experience of colonization are studied. Included are such figures as Harris, Chesnutt, Twain, Chopin, Hurston, Toomer, Wolfe, Faulkner, Welty, Ransom, and O'Connor. PR: ENGL 3303 or 3304.

ENGL 3394 The Art of the Motion Picture 3 hrs.
A course designed to trace the evolution of the motion picture from its beginnings to the achievements of the present. Such aspects of the film as genre (the western, the horror film), techniques (sound, editing, photography), themes (forbidden knowledge, vengeance), and character types (cops, comics, crooks) will be considered. Although this course is intended for serious students of the verbal and visual arts, it is also designed to accommodate (as an elective) interested students who are avid filmgoers and desire to improve their appreciation of the films they see. PR: ENGL 1108 and 2221.

ENGL 3395 Journeys in Comparative Mythology 3 hrs.
A cross-cultural study of cosmic myth, investigating explanations offered by various peoples to questions that have been asked since the dawn of time. The course includes mythological traditions such as Greco-Roman, Norse, Mesopotamian, African, Celtic, Indian, Chinese, South American and Native American. PR: ENGL 1108 and 2220.

ENGL 3396 Literature and Film 3 hrs.
By comparing literary texts to cinematic versions of those texts, this class explores the differences between the modes of verbal and visual representation. The selection of texts will focus on an author or theme selected by the professor, such as Shakespeare, Jane Austen, London, the Western Hero, or Desiring Women. PR: ENGL 1108 and 2221.

ENGL 3399 Special Topics in English 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs. PR: ENGL 1108.

ENGL 4400 Senior Seminar 3 hrs.
This advanced course will introduce English majors to the rigors of graduate-level work. The subject matter, which will vary, will be tightly focused on a specific area of study. Students will use advanced research skills and demonstrate a thorough understanding of the relevant scholarship in the field. Because the subject matter will change from semester to semester, this course may be taken more than once. PR: ENGL 3320.

ENGL 4431 Methods and Materials in Teaching English 3 hrs.
Study and practice in the techniques of teaching the fundamentals of grammar, mechanics, composition and the varied types of literature; taken as part of the Initial Performance Practicum. PR: Successful completion of PPST PRAXIS Test, ENGL 3355 and 3374.

ENGL 4441 Independent Study 1-4 hrs.
Intensive study in the work of one or more significant authors. Subject area to be suggested by the student and approved by the instructor. The student may conduct an independent investigation in an area of interest and represent the results in one or more research papers. Instructor approval required.

ENGL 4489 Writing for Literary Conferences 1 hr.
This course prepares students for presenting their literary papers at academic conferences. PR: Instructor Approval Required.

ENGL 4490 Capstone 3 hrs.
English majors will design and execute their own literary research projects on topics of personal interest. PR: Instructor Approval Required.

ENGL 4491 Writing Internship 3 hrs.
Writing internships allow students to apply their communication (verbal and written) and critical thinking skills in writing for business and non-profit organizations. A GPA of 3.25 and completion of 18 hours toward the English major are required. This course may be repeated for credit. Instructor approval required.

ENGL 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level. This course may be repeated for credit. Instructor approval required.

EVENTS MANAGEMENT

EVMG 1101 Events Coordination 3 hrs.
This course is intended to provide a solid understanding of the numerous tasks and details involved in developing and coordinating events. Students will examine practical and creative aspects of coordinating the event through sizes and types of events, leadership, financial management, creating a proposal, protocol and the process in choosing site selections, entertainment, dŽcor, travel, catering, registration and other staging considerations.

EVMG 1103 Wedding Planning 3 hrs.
This course is intended to demonstrate the proper procedures of planning a wedding to ensure a successful and perfect wedding day. Students will discuss everything a wedding planner does from budget preparation to planning the reception. PR: EVMG 1101.

EVMG 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

EVMG 1995 Events Management Practicum 3 hrs.
A work-based learning experience that provides hands-on experience in planning and setting up an event. Emphasis is on developing and implementing the proper procedures learned to ensure professional results. The student will be required to complete a portfolio of the experience. A learning plan will be developed by the student's advisor and the student. Minimum of 120 contact hours to be completed. PR: EVMG 1101. Instructor permission. Capstone course.

EVMG 2200 Casino Management 3 hrs.
This course is intended to introduce managing operations in the casino industry. Students will discuss the history of gaming, future of gaming, gaming regulations, organizational structure, casino accounting, casino marketing, race operations, slot and video operations, cruise ship gambling, lottery operations, games of chance, security and surveillance, and economics of gaming. PR: EVMG 1101.

EVMG 2250 Corporate Events Planning 3 hrs.

This course will cover the numerous tasks and details involved in coordinating events hosted by hotels, resorts and conference centers. Focus will be primarily on the business, corporate, government customer, and will also include large private events. Students will examine the practical and creative aspects of coordinating major events, including conventions, political rallies, expos, corporate training and seminars, as well as large private receptions and parties. Events hosted by hotels and conference centers require sound business practices including establishing a customer profile, strong financial planning and management, vendor relations, management of multiple contracts, and accurate attention to details. Protocol and process in choosing entertainment, decor, travel arrangements, catering, registration and other staging considerations are covered. PR: EVMG 1101 or 1103. Instructor Approval Required.

EVMG 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

FAMILY AND CONSUMER SCIENCES

FACS 3300 FACS Profession 3 hrs.

This is an introductory course for all students interested or majoring in Family and Consumer Sciences (FACS). The course will examine the profession, the program, the courses, and the careers related to FACS.

FACS 3310 Family Life Education 3 hrs.

This course is the study of the changing American family and of interpersonal relationships between family members at each stage in the family life cycle. Special reference is made to mate selection, adjustments, crises and supports for families.

FACS 3312 Consumer Economics 3 hrs.

This course is a study of the selection of consumer goods and services, and factors affecting selection, such as labeling, advertising, credit, contracts and consumer legislation, car, health and life insurance for family security, social security and wills.

FACS 3315 Management in the Family 3 hrs.

Writing Intensive

A study of management process and its effect on the family. Students will consider decision-making, economics, effective use of resources and the interaction of values, standards, and goals for the family. Emphasis will be on the use of technology and its influences on the home, the family and the future of our society. PR: ENGL 1108.

FACS 3318 Management Problems in the Family 3 hrs.

The course includes analysis and application of theories and topics such as management principles, common problems, the family's use of resources, management of the individual and the family relationships, discovering how the special needs can confuse and strain the home, evaluating the needs and wants that technology adds to the home and family, and planned and supervised experiences of home management problems.

FACS 3320 Housing in Society 3 hrs.

This course is designed to help individuals analyze social, physical, economic and psychological needs which must be met through housing. Concepts covered will include effective use of space, housing as a global issue, effective use of resources and environmental concerns. Students will also learn about computer-aided floor plan design.

FACS 3330 Growth & Development of Young Children 3 hrs.

The course examines the theory and research relevant to the physical, social, emotional, cognitive and creative development of the pre-schooler. Particular emphasis is placed on objective observation of pre-schoolers' behavior, growth and development.

FACS 3331 Adolescent Development 3 hrs.

The course examines theory and research relative to adolescents' physical, emotional and intellectual development, relationships with parents and peers and growth in self-direction. Special attention is given to identity, self-concept and personality, societal needs, adolescent pregnancy, sexually transmitted diseases, human sexuality, adolescents in school, occupational interests, family dynamics and health issues.

FACS 3332 Child Development Problems 3 hrs.

An appreciation of theory and research is used in planning programs, materials, and guidance to enhance development and learning in all areas of child development. A required clinical experience working with young children will include a 30-hour on-site experience.

FACS 3335 Parenting 3 hrs.

Writing Intensive

Students will consider the applicability of various theoretical approaches to child-rearing in families. Emphasis is placed on the social and personal definitions of parental roles and the parent-child interaction. PR: ENGL 1108.

FACS 3383 Social and Emotional Development of Children 3 hrs.

The course will examine the theory and research relevant to the social and emotional development of children from infancy to age five. Emphasis will be on interpersonal relations, aggression, cooperation and competition.

FACS 3399 Special Topics in Family and Consumer Sciences 1-3 hrs.

A course designed to study special selected topics, to be determined by the instructor and approved by the coordinator. Credits earned will be applicable as free electives for degree programs.

FACS 4402 FACS Seminar 1 hr.

A special topics seminar designed to study the global, cultural, and/or career, technical, and professional issues related to Family and Consumer Sciences. PR: Senior standing.

FACS 4431 Methods and Materials in Teaching Family and Consumer Sciences 3 hrs.

A study is made of the philosophy and goals of teaching vocational Family and Consumer Sciences at the middle, secondary and post-secondary levels. Students will learn methods, procedures, techniques, and resources for teaching the subject, and will analyze the selection of equipment and supplies to manage a Family and Consumer Sciences department.

FACS 4493 FACS Professional Internship 4 hrs.

This capstone course will provide a final experience in a business, education, or industrial setting to learn the technology and education needed to work in a FACS business, education, or industry.

FACS 4499 Special Topics in Family and Consumer Sciences 1-3 hrs.

A course designed to study special selected topics, to be determined by the instructor and approved by the coordinator. Credits earned will be applicable as free electives for degree programs.

FACS 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

FINANCE

FINC 1180 S-C&TC Principles of Banking 3 hrs.

This course is a survey of and introduction to the field of banking, with some concentration on the functions and operations of commercial banks. It also covers other depository institutions, non-bank financial entities, the Federal Reserve System, the nature of interest, bank regulation, the vocabulary of banking and some current banking issues.

FINC 2201 S-FSU Introduction to Financial Management 3 hrs.

This course is intended to give the student a background in the field of financial management, with emphasis on cost of capital, cost of external capital, cost of retained earnings, and similar concepts. It will also cover material investment decisions and financial decisions. PR: ACCT 2201.

FINC 2230 S-C&TC Financial Literacy 3 hrs.

This course provides students with the framework and tools for preparing personal financial plans that serve as roadmaps for goal achievement. It emphasizes the dynamics of the personal financial planning process by considering the impact of life changes - birth, marriage, divorce, job and career, and death.

FINC 2260 S-C&TC Real Estate Principles 3 hrs.

A general introduction to real estate as a business and as a profession, this course is designed to acquaint the student with the wide range of subjects and terminology necessary to the practice of real estate. The course will include the nature of real estate and ownership, principles and concepts of title transfer, title insurance, real estate marketing, financing, leasing, taxation, insurance, development, appraising and state license law. The objective of the course is to equip the student with concepts needed to continue successfully in future real estate courses and to pass the real estate salesmen's license examination.

FINC 2261 S-C&TC Real Estate Law 3 hrs.

This course is a study of the principles of law governing the interests in real estate including acquisition, encumbrance, transfer, rights and regulations thereof. The object of the course is to equip the student to analyze the legal consequences of various legal relationships, and legal transactions, and to determine when an attorney should be consulted. The objective of the course is to equip the student with concepts needed to continue successfully in future real estate courses and to pass the real estate salesmen's license examination.
PR: FINC 2260.

FINC 2270 S-C&TC Principles of Insurance 3 hrs.

This course is primarily concerned with developing an understanding of the basic principles of insurance, as well as the nature and operation of the insurance business. Emphasis is given to the principles which underlie the entire field of insurance. Students will develop understanding of the fundamental areas of indemnity, insurable interest, coinsurance, risk, subrogation, proximate cause, other insurance, requisites of insurable risks, deductibles, valued policies, probability and many others. The important functional areas of rating, underwriting, marketing and adjusting are considered, as well as the subjects of regulation, reinsurance and company organization.

FINC 2295 S-FSU Bank Internship 3 hrs.

Selected students are placed in part-time banking positions with area financial institutions. The student has the opportunity to put theory into practice, while developing competencies through on-the-job training. Only full-time students pursuing a Bachelor of Science degree may participate in the program. Preference is given to students with a concentration in Finance or Accounting. This course may be repeated for up to six hours credit. PR: FINC 1180, ACCT 2202.

FINC 3307 Personal Finance 3 hrs.

A study of the problems a consumer must face in his or her day-to-day buying and living. It includes a brief survey of budgets, life insurance, investments, managing personal finance, buying services and other consumer issues. PR: FINC 2201, ECON 2202.

FINC 3315 Venture Finance 3 hrs.

A study of capital markets and sources, with particular emphasis on the development of skills and resources required to obtain the financial capital for entrepreneurial ventures. Major topics include attracting seed and growth capital from sources such as individuals, venture capitalists and institutional financiers. Case analyses present various ways that entrepreneurial companies have creatively identified, negotiated and structured financing. Students will prepare a financial proposal for the funding of an entrepreneurial venture. PR: BUSN 2205.

FINC 3350 Investments 3 hrs.

This is an introductory survey course covering the broad field of investments, with a descriptive rather than quantitative approach. There is substantial emphasis on terminology and vocabulary, and the course covers fixed- and variable-return investments, options and futures, markets and brokerage operations, portfolio theory and analysis and real estate investments. PR: FINC 2201.

FINC 3384 Bank Management 3 hrs.

This course examines the principles and practices of contemporary bank management. It covers the various aspects of bank organization and operation, capital formation and utilization, asset/liability management, planning, law and regulation, internal control, competition and deregulation, the evolution of banking and some selected current issues in banking. PR: FINC 2201.

FINC 3385 Analyzing Financial Statements 3 hrs.
Writing Intensive

This course provides the student with the necessary techniques and tools to evaluate the financial condition and operating performance of a modern business. It will cover the terminology of financial analysis, horizontal and vertical analysis, financial ratios, pro-forma statements, funds flow analysis, break-even analysis and other analytical tools. PR: ENGL 1108, FINC 2201, INFO 2235.

FINC 4410 Managerial Finance 3 hrs.

This advanced course is designed to extend the coverage of the field of corporate finance, with emphasis on capital budgeting, risk, capital structure and dividend policy and financing decisions. Special topics covered will include mergers and acquisitions, financial distress and international corporate finance. PR: BUSN 3310, FINC 3385, FINC 3350.

FINC 4412 PC Applications for Managerial Finance 3 hrs.

This course is designed to enable students to master the concepts and techniques of corporate finance using PC applications. The course will be taught in the computer lab, making extensive use of spreadsheet models and templates. The effect of policy will be measured and analyzed, and problems solved through the use of multiple case studies. Topics to be covered include financial analysis, financial forecasting and planning, capital budgeting and cost of capital. PR: INFO 1100, FINC 4410.

FINC 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor Approval Required.

FOLKLIFE STUDIES

FOLK 1100 Introduction to Museums 3 hrs.

This course will introduce students to the various types of museums (historical, art, historic site/house, representational etc.). It includes presenting a general overview of museum operations, programming, fund raising, grant writing, volunteer management, interpretation, exhibit design and construction, personnel training and management, collections management, and museum networking.

FOLK 1110 Craft Design and Marketing 3 hrs.

This course gives students a broad understanding of the history of craft making, form and function, design and technique, materials and process, as well as an overview of craft application, critiquing, marketing, exhibiting, and documenting. This course presents an overview of craft publications, guilds, organizations, regional festivals, and internet marketing. An introductory overview of available local craft persons and their processes will be reviewed so that students may plan their apprenticeships.

FOLK 1150 Folk Arts 3 hrs.

This studio course gives students a hands-on learning approach to the historical understanding and making traditional/historical folk arts. Various materials will be used including fiber, wood, metal, paper, natural materials, and more to explore weaving/quilting, carving, tinsmithing/metal tooling, marbling/book binding/band box construction, doll making, and other traditional folk arts and crafts. An element of research will also be included in this course.

FOLK 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

FOLK 1199 Special Topics in Folklife Studies 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

FOLK 2210 Museum Education Programming 3 hrs.

This course allows students to explore all types of museum programming with special emphasis on children's visitation, special events, adult programming, lecture series, fairs and festivals. Special attention will be drawn to the various educational techniques and tools used as well as evaluation processes. The design and publication of museum materials such as handbooks, exhibit cards, exhibition catalogues, research and information books, journals, and newsletters. will be covered in this course. A major goal of this course is to establish understandings of museum/school relationships as well as an enhancement of general public lifelong learning experiences.

FOLK 2220 Museum Collections Management 3 hrs.

This course will address a variety regarding museum collections including paper memorabilia, three dimensional artifacts, buildings, grounds, and other structures. The technical aspects of managing collections such as acquiring, identifying, processing, cataloging, storing, displaying, preserving, conserving, and researching will be the focus in this course.

FOLK 2230 Museum Exhibit Design and Preparation 3 hrs.

This course will include museum exhibit planning, research, text writing, design, construction, and installation of various types of storyline exhibits and presentations. Techniques will include computer graphics, photography, silkscreening, dry mounting, fixture and kiosk construction, lighting/ventilation/audio visual application, and other technical processes. PR: FOLK 1100

FOLK 2240 Museum Interpretation 3 hrs.

This course explores museum interpretation to the public, researchers, and school children, as well as training museum staff, administration, volunteers, students, and interns. Various avenues of actual interpretation will include the use of the museum facilities, buildings, artifacts, and publications. It may include oral interpretation, first person role play, costumed interpreter/demonstrator, and third person presentations. PR: FOLK 1100

FOLK 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

FOLK 2295 Folk Art/Craft Apprenticeship 1-12 hrs.

During these course hours, students will work directly with master craft persons that have been chosen and arranged by Pierpont Technical and Community College. Students will work in the master craft person's studio to become proficient in the folk art/craft media chosen. May be repeated up to 12 hours, including a summer placement. PR: FOLK 1150 or Instructor Approval Required.

FOLK 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

FOLK 2995 Museum Internship 1-6 hrs.

This internship course explores will place the student in an hands-on museum located experience. Students will be placed in the museum type (historical, art, etc.) of their choice and will have as many "real" application experiences with interpretation, exhibit design and construction, collections management, public museum educational programming, administrative management, etc. that can be arranged with the museum of choice. Pre-internship conferencing between the student, museum representative, and the program coordinator will be expected. Conferencing will continue during the experience as well. May be repeated up to 6 hours, including a summer placement PR: FOLK 1100. Capstone course.

FOLKLORE STUDIES

FOLK 2200 S-FSU Introduction To Folklore 3 hrs.

This course is an introduction to conceptual foundations in folklore, such as its social base, tradition, folklore and cultural history, folklore as projection, genre, function, structure, text and context, through a historical and philosophical survey of approaches to folklore topics. Emphasis will be placed on the Appalachian cultural perspective. A field study lab of one hour will accompany this course.

FOLK 2201 Lab Field Research/Oral History Techniques 1 hr.

This lab must be taken along with Introduction to Folklore before any of the other courses in the program. It is a study of the theories, techniques and procedures of field research as they apply to all folk study genres, along with the legal and ethical considerations, uses and planning of local oral history projects.

FOLK 3300 Folk Literature 3 hrs.

This course is an analysis of the components and genres of oral folk literature through poetry (the folk song, ballad and instrumentation), narrative (myths, legends, folktales, fables, morals, anecdotes, personal narratives and other forms of folk narrative), and language (verbal lore, such as dialect/accent, beliefs and superstitions, proverbs, sayings, riddles and jokes) within the contextual process of perpetuation (storytelling) and preservation (collecting and motifing). Emphasis will be placed on the Appalachian cultural perspective. A field study will be part of the course. Also listed as ENGL 3387. PR: ENGL 1108.

FOLK 3301 Material Culture 3 hrs.

A study of the tangible evidence of civilization, through the perspective of the Appalachian culture. Material culture is presented within the context of folklife and traditional craftsmanship, including crafts, art, traditional foodways, clothing, tools and technology. Students will examine the study of material folk culture from various methodological and theoretical perspectives, including artifactural analysis and fieldwork. PR: FOLK 2200.

FOLK 3302 Regional Cultural Geography and History 3 hrs.

A study of regional personality through the relationship and attitudes of people to land and land use, along with migration patterns, archaeological perspectives, behavior and popular customs. In a field study, archival techniques and research will be examined. PR: FOLK 2200.

FOLK 3320 The Art of Storytelling in Theory and Practice 3 hrs.

The emphasis of the course will be on both the theory and research related to storytelling and the art of storytelling as performance. In this performance-based course, students will select, craft, rehearse and perform stories suitable to a variety of audiences. Students enrolled in this course are required to attend the National Storytelling Festival in Jonesborough, Tennessee. Also listed as THEA 3320 and COMM 3320.

FOLK 4400 Directed Folklore Study 3-6 hrs.

This course provides intensive study, reading, and research of a folklore topic selected by a student with an opportunity to mentor with a specialist in the field. Topics will be interdisciplinary, such as the following: Appalachian (Regional/Written) Literature, Ethnography and Process of Storytelling, Urban and Popular Culture, Children's Folklore, Traditional Folk Music (Vocal and Instrumental), Appalachian African-American Lore, Rural Education, Arthurian Legend: Comparative Folk Literature Study, and Vintage Clothing Preservation. Note: If an existing course is available on campus reflecting any of these topics, a student may opt to take it, with the approval of the Folklore Studies advisor. The West Virginia Folklife Center at Fairmont State and the Folklore Studies advisor will also help students to network with specialists in the community. This course is for seniors only.

FOLK 4401 Folklore Applications 3 hrs.

An analysis of the various areas of folklore application, ranging from teaching/pedagogy, museum interpretations, and publications to the care, interpretation and presentation of artifacts. An internship and/or individual project will conclude the course. PR: All other courses in the minor program. This course is for seniors only.

FOLK 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

FOOD SERVICE MANAGEMENT

FOSM 1100 ServSafe® 1 hr.

Students will master multiple modules relating to topics on food service sanitation. Upon completion of the course, students will be prepared to successfully take the ServSafe® exam.

FOSM 1110 S-C&TC Nutrition 3 hrs.

This course is a study of the nutrients, their sources, and their relationship to body functions. Each stage of the life cycle will be studied as it relates to changing nutritional requirements for individuals and family groups of varying cultural and economic levels. Students will evaluate their daily nutritional intake against recommended daily allowances.

FOSM 1119 Intro to the Food Service and Hospitality Industry 3 hrs.

This course is an overview of all aspects of the hotel, foodservice, restaurant, and travel and tourism businesses, including operations, marketing, and sales. Trends in this rapidly changing industry will be stressed

FOSM 1120 Nutrition in Childhood & Adolescence 3 hrs.

This course will provide an overview of basic nutrition as well as nutrient standards used to evaluate nutrition status among Americans. Specific focus will include nutrition needs from pre-pregnancy through adolescence. Students will evaluate the new dietary guidelines and food pyramid system and complete a menu planning assignment and a computer-aided diet analysis for an individual between the ages of 2-18.

FOSM 1121 Food Service Facilities & Equipment 3 hrs.

The emphasis is on food service equipment selection and layout in relation to production and workflow. Specifications, energy sources, use and care of food service equipment will be included in the course. Students will demonstrate the utilization and care of selected food service equipment in a laboratory setting.

FOSM 1122 Safety & Sanitation 2 hrs.

This course is a look at the latest information in the science of food safety along with appropriate principles to maintain food safety in an operation and to protect against food borne illness. This course incorporates the National Restaurant Association's certification curriculum. Students completing the final certification exam with a minimum score of 75% will be issued a certificate of completion.

FOSM 1130 Basic Baking 3 hrs.

This course applies the fundamentals of the baking science to the preparation of a variety of pastry and baking products. Will include the use and care of equipment normally found in a bakeshop or baking area. PR or CR: FOSM 1121, FOSM 1122.

FOSM 1140 Food Service Cost Analysis and Management 3 hrs.

This course will enable students to perform basic cost analysis related to food service operations. The student will perform calculations associated with food costs, labor costs, menu pricing, and other pertinent management functions.

FOSM 1150 Sports Nutrition 3 hrs.

This course will provide an introduction to sports nutrition including definitions of sports nutrition and general nutrition concepts, a review of digestion and energy metabolism, a thorough explanation of macronutrients, micronutrients, and water as they relate to athletic performance. The course will also review the most current research as it relates to the energy systems and specific nutrition needs of athletes in three categories - endurance, strength/power, and team sports.

FOSM 1155 Cafeteria Management in Schools 3 hrs.
This course will provide an overview of basic child nutrition operations as well as managerial skills and knowledge of managing child nutrition programs. Course outcomes will equip cafeteria mangers with the necessary knowledge, skills and work practices to positively impact their programs and improve work practices to support program changes that address the many health issues confronting our children. PR: Successful completion of the Cafeteria Manager's Institute (a 3-day training session provided by the WVDE) is required as a prerequisite to enrollment.

FOSM 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

FOSM 1199 Special Topics in Food Service 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

FOSM 2200 Introduction to Foods 3 hrs.
This course is a study in the selection, storage, preparation, and presentation of food. This three credit hour course will investigate each of the following categories of food and apply knowledge gained to laboratory applications: Milk & Dairy Products; Meat, Poultry & Shellfish; Fruits & Vegetables; Grains & Starches; Breads; Desserts; & Beverages. Emphasis will be placed on meal planning, food safety, nutrient value, and quality in taste and appearance.

FOSM 2201 Principles of Food Selection & Preparation 3 hrs.
This course provides a study of the selection, storage, preparation, and presentation of food. Students will investigate each of the following categories of food and apply knowledge gained to practical applications in the laboratory setting: Stocks and sauces, soups, meat and game, poultry and game birds, fish and shellfish, vegetables, potatoes and starches, salads and salad dressings, sandwiches, breakfast preparation, and dairy products. Emphasis will be placed on ensuring food safety, nutrient value, and quality in taste and appearance. FOSM majors only. PR: To be taken concurrently with FOSM 2203.

FOSM 2202 S-C&TC Principles of Quantity Food Production 3 hrs.
Principles and techniques of quantity food preparation will be covered. Emphasis will be given to menu planning, use of standardized recipes, and quantity food production techniques. PR: FOSM 2201. To be taken concurrently with FOSM 2204.

FOSM 2203 S-C&TC Principles of Food Selection & Preparation Lab 1 hr.
Students will apply basic principles of food selection and preparation in a controlled lab setting. Labs will include application of basic food science and food evaluation techniques. PR or CR: FOSM 1121, 1122.

FOSM 2204 S-C&TC Principles of Quantity Food Production Lab 1 hr.
Students will apply principles and methods of quantity food production using institutional equipment and evaluate food with consideration given to quality control and cost control. PR: FOSM 2201, 2203.

FOSM 2209 Food Specialties-Garde Manger II 3 hrs.
This course is the advanced garde mange techniques including aspic pates, sauces, terrines, and garnishes. The manipulation of special tools used in this type of food preparation is stressed. Buffet table arrangement, food display, and organization are studied. PR: FOSM 2203.

FOSM 2210 Culinary Competitions 1-12 hrs.
Students will produce innovative, competition quality food. Students will use advanced culinary techniques to showcase their creations for constructive critique. Students should expect to practice on their own a minimum of two hours for every one hour in class.

FOSM 2220 S-C&TC Diet Therapy 3 hrs.
This course discusses the nutritional needs of different age groups, the special nutritional requirements in various diseases and the planning of menus to meet these various nutritional needs. PR: FOSM 1110.

FOSM 2224 Purchasing and Receiving 3 hrs.
Includes factors to consider in selecting, purchasing, receiving, and storing various foods. Emphasis is given to the development of purchasing policies, procedures, inventory control and storage. Computer application is included in the course.

FOSM 2225 Resort & Hotel Management 3 hrs.
Students will study four primary areas of the resort and hotel lodging businesses; service and guest services, housekeeping, catering and banquets, and front desk operations. Students will focus on the revenue and cost centers associated with hotel industry. Emphasis will also be placed on management of rooms, food and beverage, marketing, engineering, accounting, human resources, and security.

FOSM 2227 Food and Beverage Merchandising 3 hrs.
This course discusses catering for different types of social functions, dining room arrangement, and service to gain customer satisfaction. It also deals with purchase specifications, management and quality as applied to tableware, furnishing, equipment, and supplies.

FOSM 2228 Food Service Organization and Management 3 hrs.
The students will analyze the organization and management of various types of food service programs. Special emphasis is placed on personnel, operating systems, budgeting, purchasing, work schedules, and supervision.

FOSM 2230 Advanced Baking 3 hrs.
Students will develop skills in advanced baking techniques, bread making, pastries, and cake decorating. The class will also include information on the corollary business aspects, such as calculating size and determining costs. PR: FOSM 1130.

FOSM 2232 Pastry & Confections 3 hrs.
Students will develop skills in advanced decorating techniques and more complex preparations of pastry, confections, and dessert products. Students will also be introduced to candy, pastillage, sugar, and chocolate work. PR: FOSM 1130.

FOSM 2250 Applications in Community & Medical Nutrition 3 hrs.
This course will provide students with methods and practices necessary to access nutritional needs in client-oriented dietetic systems and community-oriented nutrition programs. Students will apply nutrition knowledge to the following: patient education, screening for nutritional risk, determining nutrient requirements across the lifespan, translating nutritional needs into food and menu choices, calculating body composition, and calculating diets for specific health conditions. PR: FOSM 2220.

FOSM 2255 Management & Regulation of Child Nutrition Programs in Schools 3 hrs.
This course will provide knowledge and application practices related to management principles, regulatory requirements, best

practices, and current issues related to school nutrition programs. The following aspects of school nutrition program management will be covered: menu planning, procurement, financial management and accountability, food production, record keeping, food safety, training and nutrition education. Management practices will be incorporated throughout the class. PR: Successful completion of a 4-day seminar session provided by the WVDE is required as a prerequisite to enrollment. Seminar sessions will consist of lectures and program applications delivered by state-level coordinators, topical concurrent sessions related to course outcomes, activities and resources. Students will fulfill remaining course requirements through on-site application assignments.

FOSM 2260 Seminar in Dietary Management 2 hrs.

This course will focus on the dietary management profession by looking at legal issues, professionalism, certification and licensing, preparation of resume, etc. PR: Special Approval. FOSM majors only.

FOSM 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

FOSM 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

FOSM 2995 Food Service Practicum 2-15 hrs.

A supervised work experience conducted in an assigned food service operation. Course may be repeated for up to 15 hours of credit based on emphasis area. Capstone course.

FRENCH

FREN 1101 S-FSU Elementary French I 3 hrs.

This introductory course covers pronunciation, oral comprehension and speaking, reading and written drill and composition and elements of grammar. Laboratory.

FREN 1102 S-FSU Elementary French II 3 hrs.

Continuation of 1101, completing the basic grammatical principles. PR: FREN 1101.

FREN 1199 Special Topics in French 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

FREN 2201 S-FSU Intermediate French I 3 hrs.

A course designed to reinforce and increase knowledge of vocabulary and grammar. The course consists of extensive reading, review of grammar and continued attention to pronunciation and speaking. Engaging reading materials, such as short stories, are emphasized. Laboratory. PR: FREN 1102.

FREN 2202 S-FSU Intermediate French II 3 hrs.

The continuation of FREN 2201. PR: 2201.

FREN 2220 Intermediate Topics in French 3 hrs.

A diversified study of the daily life and environment of present-day France and French-speaking peoples, placed in relation to the language. Emphasis is on a realistic, practical approach to language use. Work is individualized to fit the language-level and interest of the student.

FREN 3310 Advanced Topics in French 3 hrs.

Supervised independent study reflecting the student's needs and interests.

FREN 3311 French Composition and Conversation I 3 hrs.

This course covers writing, conversation and aural comprehension, with extensive use of audio-visual aids. Emphasis on practical proficiency, grammar, vocabulary building, and phonetics. PR: FREN 2202.

FREN 3312 French Composition and Conversation II 3 hrs.

Parallel course to FREN 3311, with content emphasizing French civilization and culture. PR: FREN 2202 or equivalent. Note: 3311 and 3312 may be taken in any order.

FREN 3314 French Civilization and Culture 3 hrs.

A study of France's basic historical development and significant contributions to civilization, its outstanding figures, its geography, traditions, contemporary social patterns, legends, songs, and influence on the United States. The instructional method emphasizes French conversation and extensive use of tapes, slides, and motion pictures. PR: FREN 2202.

FREN 3321 Contemporary Literature 3 hrs.

This course focuses on outstanding writers of the twentieth century, such as Camus, Ionesco, Proust and Sartre. Emphasis is on reading comprehension. PR: FREN 2202.

FREN 4411 Advanced French Composition and Conversation 3 hrs.

Writing Intensive

In this course, students will develop writing and conversational skills and aural comprehension on an advanced level, with extensive use of audio-visual aids. Emphasis is on attaining a high level of proficiency in grammar, vocabulary and pronunciation. This should be taken as late as possible in the sequence of courses. PR: ENGL 1108, FREN 3312.

FREN 4426 Main Currents of French Literature and Culture 3 hrs.

A coordinated study of French literature and culture from a thematic and unitary standpoint. The main and unique currents of French contribution to world civilization are distinguished. Texts are taken from the Middle Ages to the Modern period, with selections from all genres. PR: FREN 2202.

FREN 4431 Methods and Materials in Teaching French 3 hrs.

Study and practice in teaching French language and literature, grades 5-Adult.

FREN 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

GEOGRAPHY

GEOG 1199 Special Topics in Geography 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

GEOG 2210 S-FSU Introduction to Geography 3 hrs.
An introduction to the physical and cultural elements of geography, with a study of major geographical regions of the world.

GEOG 3305 Economic Geography 3 hrs.
A geographic study of the production, consumption and exchange of goods by people throughout the world. Consideration is also given to spatial variations and influences of the natural environment and culture.

GEOG 3315 Urban Geography 3 hrs.
A study of urbanization process, including origin, growth, function, spatial patterns, structure and hierarchical arrangement of urban centers. Students will also examine urban problems, with special references to American cities.

GEOG 3330 Geography of North America 3 hrs.
A course in regional economic geography, primarily of the United States and Canada, from the standpoint of man's activities in relation to his natural surroundings and resources.

GEOG 3340 Geography of Europe 3 hrs.
A study of the important geographic concepts concerning man's activities in Europe and their importance to the United States and the rest of the world. A general overview will be made of Soviet European geography.

GEOG 3350 Geography of Latin America 3 hrs.
This course is a regional study of South America, Central America, Mexico and the West Indies.

GEOG 3360 Geography of Africa 3 hrs.
A regional survey of the continent, examining the great diversity that characterizes the area. Emphasis is placed on the complexity of its political pattern, natural resources, economic development and physical setting.

GEOG 3370 Geography of Asia 3 hrs.
The study of Asia for the purpose of understanding the various Asian nations, their economic-geographic regions, major commodities, industry, commerce and major problems.

GEOG 3399 Maps and Diagrams 3 hrs.
This course covers statistical data through different kinds of diagrams, such as bar, pie, ring, and block diagrams and graphs; the preparation and understanding of maps and introduction to the application of computers for maps and diagrams.

GEOLOGY

GEOL 1101 S-FSU Physical Geology 4 hrs.
This course is an introductory study of the materials, structures and forces in the earth. Topics include weathering, hydrology, glaciers, earthquakes, landslides, and volcanoes; students will also examine the physical and chemical processes that contribute to the earth's changing form and shape. Both surface and internal processes are covered, with emphasis on the interaction between these processes, including the theory of plate tectonics. Three hours of lecture and two hours of lab per week. Lab includes field trips.

GEOL 1102 S-FSU Historical Geology 4 hrs.
An introduction to the history of the earth from its origins to the present day. The evolution of the earth's oceans, ocean basins, atmosphere and life forms are also studied. The study of past life and continental position in geologic time is based on the interpretation of fossils, rocks, continental drift and plate tectonics. Three hours of lecture and two hours of lab per week. Lab includes field trips. PR: GEOL 1101.

GEOL 1103 S-FSU Introduction to Environmental Geology 4 hrs.
This course explores the practical application of elementary geologic principles to everyday environmental problems. It also covers hazardous earth processes, including landslides, volcanoes, and earthquakes, as well as geologic aspects of human-induced problems such as mining, mineral production, subterranean waste disposal, and water and land use. Three hours of lecture and two hours of lab per week. Lab includes field trips. PR: GEOL 1101.

GEOL 1199 Special Topics in Geology 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

GRAPHICS TECHNOLOGY

GRAP 1100 S-C&TC Graphics Communications Processes 3 hrs.
An introduction to and a survey of the discipline of graphics design and technology. The topics include a survey of the graphics industry, the knowledge base and history of graphic design, and an examination of graphics technologies and careers as well as an overview of available resources for study and research in computer graphics.

GRAP 1125 Multimedia Concepts 3 hrs.
Basic techniques of computer presentation and multimedia will be covered. Students will use introductory software for the creation of digital animation, motion, and multimedia. Activities include exercises using Microsoft PowerPoint, Apple QuickTime, and still and motion digital video capturing.

GRAP 1150 S-C&TC Computer Applications to Graphics 3 hrs.
An introduction to the Apple computer and operating system, containing a thorough coverage of computer fundamentals with an introduction to industry standard graphics software.

GRAP 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

GRAP 1199 Special Topics in Graphic Communications 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

GRAP 2200 S-C&TC Introduction to Desktop Publishing 3 hrs.
This course presents the basics in the make-up of copy with an emphasis on composition and typography. Students will produce tangible photo ready art and introductory electronic prepress images using the Apple Macintosh. Single and multiple color paste-up techniques, forms layout, cropping and scaling of photographs, and media conversion are among the activities that will be beneficial in upper level graphics classes as well as future employment endeavors. CR: GRAP 1150.

GRAP 2210 S-C&TC Graphics-Methods and Materials 3 hrs.

This course is an introduction to the printing and publishing industry, the historical and traditional processes of printing, working with digital data, digital terminology and finishing operations.

GRAP 2230 S-C&TC Graphic Design I 3 hrs.

This is a studio course introducing the process of graphic design including the principles of design and problem solving methodologies for page layout and 2-dimensional design. PR: GRAP 1100.

GRAP 2235 S-C&TC Graphic Design II 3 hrs.

This studio course is a continuation of GRAP 2230. It focuses on developing competence in hand skills required for graphic design and introduces 3-dimensional design and presentation techniques. PR: GRAP 2230.

GRAP 2240 S-C&TC Photography Concepts 3 hrs.

This course will emphasize the use of traditional and digital photography in the profession of graphic design. Topics will include the historical evolution of photography; major related equipment, materials, principles, methods, and techniques of photography; and the application of photography in areas of visual communication, journalism, web design, and other Graphic Design fields. PR: GRAP 1150.

GRAP 2255 Internet Animation 3 hrs.

This course is an introduction to basic techniques of computer animation and presentation for multimedia and internet and interactive training applications. PR: GRAP 1125.

GRAP 2265 S-C&TC Estimating and Cost Analysis 3 hrs.

This course explores introductory critical thinking and analysis for the media artist including the topics of project pricing, estimating and budgeting, marketing and self-promotion. PR: GRAP 1100, 2230.

GRAP 2280 S-C&TC Internet Publishing 3 hrs.

This course is an introduction to basic web design principles, applications and related terminology. A professional web authoring tool is explored to understand the planning and layout of hypertext based content for the web. PR: GRAP 1150.

GRAP 2285 Electronic Art3 hrs.

This course acquaints students with the processes of a vector drawing program on the computer. Students learn how to use the tools to create digital artwork that can be used in web design, print media and digital screen design. PR: GRAP 1150

GRAP 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

GRAP 2290 S-C&TC Image Editing 3 hrs.

Students will learn the properties of various digital image files and their use in both internet and print applications. Using an industry standard image editing program, students will learn various image manipulation techniques. Copyright issues, ethical usage of images on the Web, and explanation of the different resolution requirements between Web and print images will also be discussed. PR: GRAP 1150

GRAP 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

GRAP 2995 S-C&TC Graphics Practicum 3 hrs.

This is a capstone course in which the student participates in an internship in the graphics field with a cooperating business. Capstone internships consist of a minimum of 10 hours of service per week or a total of 150 hours. Students must have completed a minimum of 45 hours of course work and the internship must be approved by the course instructor and department coordinator before registering. In addition to the hours of service, daily work logs, participation in online discussions and an 8-10 page final written report as well as an oral presentation approved by the instructor are required. PR Instructor permission. Capstone course.

GRAP 3330 Branding and Identity Design 3 hrs.

Through lectures, demonstrations and studio work students are introduced to all aspects of Branding and Identity design from its historical precedents to its current use. Creative thinking is encouraged, along with prescribed techniques and media. Course activities include Branding and Identity Design projects. PR: OFAD 2250.

GRAP 3336 Motion Graphics 3 hrs.

This course introduces the fundamentals of motion graphics, including graphics and promos for television networks and film titles and logos for advertising. The focus is on design presentation and development, screen composition, graphic transitions, typography, and content. PR: GRAP 2230.

GRAP 3370 Career and Portfolio Development 3 hrs.

This course explores the dynamics involved in the preparation of a professional portfolio for employment of for transfer to another course of study; emphasizes revision, discussion, and analysis of student work under consideration for inclusion into the portfolio.This course includes interview preparation.

GRAP 4410 Advanced Topics in Graphics 3 hrs.

Writing Intensive

This self-paced course is an opportunity to investigate and produce a senior project in a field not included in the regular listing of graphic communications courses, or in greater depth in an area currently offered. Baccalaureate majors only. PR: ENGL 1108. Instructor Approval Required.

GRAP 4430 Multipage Documents and Design 3 hrs.

Through lectures, demonstrations and studio work students develop and implement designs for multipage documents such as annual reports, magazines and view books. The relevance of typography to multipage documents will also be explored. PR: GRAP 3330.

GRAP 4435 Interactive and Multimedia Design 3 hrs.

Introduction to multimedia authoring. Students will design and publish interactive content employing a variety of native file formats. PR: GRAP 3336.

GRAP 4455 Animation Studio 3 hrs.

This course familiarizes the student with the artistry, digital tools, and production process of creating an animated product. PR: GRAP 3336.

GRAP 4490 Exhibition Design and Development 3 hrs.

This course builds on the content of GRAP 4435 through project work and additional software to create communication solutions through interactive experiences, games, exhibitions, and e-learning products.

GRAP 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

HEALTH CAREERS

HLCA 1100 S-C&TC Medical Terminology 3 hrs.
This course is a study of the structure of medical words and terms. Emphasis is placed on spelling and defining commonly used prefixes, suffixes, root words, and their combining forms. Anatomy and physiology terms as they relate to the root words, combining forms, prefixes, and suffixes are stressed. Terminology and medical abbreviations relating to several allied health occupations acquaints students with an overview of the medical language. This course is offered as an online course as well as the traditional classroom.

HLCA 1101 Introduction to Health Careers Programs 1 hr.
This course is designed to introduce students to the health careers degree and certificate programs offered at Pierpont C&TC. A case study approach may be used to examine various fields in health careers. This course will cover requirements and prerequisites, necessary skills and qualities for successful program completion, and provide individualized exposure to selected occupations. This course is offered on a credit/non-credit basis and can be used as an elective.

HLCA 1102 Pathophysiology of Diseases 3 hrs.
Study of the disease process, terminology and association with the body structure. PR: HCLA 1100 and BIOL 1170. Fall Semester: Fairmont Campus. Spring Semester: Caperton Center.

HLCA 1104 Physics for Health Careers 3 hrs.
This course is designed to introduce pre-physical therapist assistant and pre-radiology students to basic physics concepts including motion, forces, energy, heat, sound, electricity, light, and radioactivity. The class will include on-line activities and in-class activities. Fall Semester only: Caperton Center.

HLCA 1105 Phlebotomy Theory 1 hr.
The course is designed to provide the student with an understanding of professionalism, credentialing, the importance of consent and confidentiality, safety issues, infection control and the overall structure of a typical hospital. Students will learn basic techniques of venipuncture and capillary puncture through lecture videos, class activities and demonstration. PR: MLT or Lab Assistant majors only.

HLCA 1170 Human Anatomy and Physiology 3 hrs.
A single semester examination of the architecture and function of cells, tissues, organs, and organ systems of the human being. This examination will include an intensive and detailed study of the integumentary, skeletal, muscular, cardiovascular, lymphatic, digestive, respiratory, urinary, nervous, reproductive, and endocrine systems as well as their interactions with each other. Three hours lecture per week. The course is designed for the Health Careers, Allied Health, Nursing, and EMS majors and will not count as an elective toward any biology degree requirements.

HLCA 1171 Human Anatomy and Physiology Laboratory 1 hr.
Complementary to HLCA 1170, the laboratory focuses on the anatomical study of the human form, including microscopic examination of cells and tissues, and gross examination of organs and organ systems (skeleton, muscles, blood vessels, nerves, and internal organs). Physiological exercises are also included, such as real-time examination of electrocardiograms, heart sounds, peripheral circulation, blood pressure, reflexes, electromyograms, electroencephalograms, lung volume, and breathing patterns, to supplement the material covered in HLCA 1170. The course is designed for the Health Careers, Allied Health, Nursing, and EMS majors and will not count as an elective toward any biology degree requirements.

HLCA 1189 Guided Experience I VAR 1-4 hrs.
This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

HLCA 1199 Special Topics in Health Careers 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

HLCA 2205 Phlebotomy Practicum 1 hr.
This course is designed to provide the student with practical experience in blood drawing techniques. Students will spend about 6 to 8 hours in student laboratories practicing phlebotomy techniques on model arms and on volunteers prior to being placed in clinical facilities. Students will be expected to obtain up to 100 venipunctures and 10 capillary sticks and must schedule sufficient time to accomplish this at the clinical facility. Hours at clinical facilities will vary throughout the day. PR: HLCA 1105. Instructor Approval Required.

HLCA 2289 Guided Experience II VAR 1-4 hrs.
This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

HLCA 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

HEALTH EDUCATION

HLTA 1100 S-FSU Personal Health 2 hrs.
This course examines the meaning and significance of the physical, mental, social and environmental factors of health and safety as related to the individual and to society. Students will focus on important phases of related national problems, with an emphasis on college students and their current needs.

HLTA 1150 S-FSU Introduction to Health 3 hrs.
This course is an in-depth study of several content areas relating to health, contemporary health problems and reciprocal relationships involving man, disease and the environment. Students will explore the significance of the physical, mental, social, and environmental factors of health and safety as related to the individual and to society.

HLTA 1199 Special Topics in Health 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

HLTA 2200 Foundations of Health Education 3 hrs.
Examines the historical, philosophical, sociological and scientific foundations of health education as it relates to the present educational system and a changing society.

HLTA 2202 Community and Environmental Health 3 hrs.
The course presents the philosophy, organization, identification and function of federal, state, and local public health agencies, and their role in dealing with community health, environmental health, and safety problems.

HLTA 3310 School Health and Safety 3 hrs.
Investigation of comprehensive approaches to the development of school health and safety programs, based upon contemporary needs and problems.

HLTA 3325 Organizational and Planning Strategies in Health Education 3 hrs.
The purpose of this course is to develop strategies for organizing and planning a health education program. Emphasis is placed on pre K-adult curriculum development and design of teaching units.

HLTA 3370 Contemporary and Drug Behavior Issues 3 hrs.
Writing Intensive
This course covers the identification, analysis, and evaluation of the most critical health problems confronting our society, including drug abuse and addiction. PR: ENGL 1108.

HLTA 4400 Health Education for the Elementary School 3 hrs.
This course addresses specific areas of health relating to the needs of elementary school children.

HLTA 4410 Seminar in Public Health Education 3 hrs.
A presentation of the historical and philosophical development of public health agencies, including governmental aspects, legal bases, organizational principles, personnel factors and public relations. Periodic field trips are included during the second half of the semester. Fall only.

HLTA 4415 Human Sexuality 3 hrs.
The student will learn to identify the trends, issues and content necessary to analyze and develop methods and materials in sex education.

HLTA 4450 Field Practicum in Public Health 4 hrs.
Provides experience in field practice in public health for one semester under supervision of public health professionals. Spring only.

HLTA 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

HEALTH INFORMATION TECHNOLOGY

HLIN 1100 Fundamentals of Health Information 3 hrs.
This course serves as an introduction to the function and duties of health information professionals. Various health care delivery and settings in the United States will be discussed. The student will be introduced to the various career opportunities available for health information professionals. In addition, the different types of patient records, storage systems, filing systems and numbering systems will be discussed. Students will be educated in the different indexes, registers, and the overall health data collection. Majors Only. Fall Semester

HLIN 1101 Fundamentals of Health Information Lab 1 hr.
This laboratory course serves to enhance the didactics that are covered in the lecture for Fundamentals of Health Information. The Health Information Technology student will be expected to complete a series of hands-on projects that are compatible with the information from the classroom. Majors Only. Fall Semester

HLIN 1102 Health Information Community Service 1 hr.
This course is an introduction to the Health Information profession through community service. Each student is expected to complete thirty (30) hours of volunteer work in a health information environment. Placement will depend on the needs of the facilities at the time. Majors Only. Fall Semester.

HLIN 1105 Computers in Health Care 3 hrs.
This course will introduce the Health Information Technology student to computers in the health care arena. Spring Semester. Majors Only.

HLIN 1109 Health Care Statistics 3 hrs.
Hospital statistics is a course in which the methods of computing statistics of health care institutions and storage areas for this material will be discussed. Basic statistics applicable in health care institutions will be introduced. The course will include the study of vital and public health statistics, review of simple arithmetic principles as warranted, in depth study of hospital statistics; sources, definitions, collection, reporting, presentation and analysis of data, sources and uses of health data in the United States. Applicable statistical software will be utilized. Spring Semester. Majors Only.

HLIN 1110 Legal and Ethical Aspects of Health Information 3 hrs.
This course is designed to instruct the student in the basic legal principles, release of confidential health information, court procedures and conduct, and association with legal authorities. HIPAA rules and regulations will be discussed. Legal and ethical issues of the profession will be covered as well as ethical issues in the health care field. Fall Semester. Majors Only.

HLIN 1115 Alternate Care Settings 2 hrs.
Alternative Care Settings will expose the HIT student to a variety of non-traditional settings for health information management. The students will be expected to rotate through various types of settings (i.e., psychiatric facility, rehabilitation hospital, nursing home, home health agency, hospice, prison system, health clinic and a physicians' office or clinic.) Placement depends on the availability of a particular facility. The student will be required to be at the clinical affiliate a total of 60 hours. This course will be offered during the first summer session. Majors Only. Summer Term

HLIN 1199 Special Topics in Health Information Technology 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

HLIN 2200 Interpretation of Diagnostic Data 3 hrs.
This course is designed to introduce the health information specialist to the relationship between diseases, laboratory tests and

drugs within the health record. This knowledge base will be useful in optimizing reimbursement. Fall Semester. Majors Only.

HLIN 2202 Reimbursement Systems 2 hrs.

This course will examine reimbursement methodologies for various health care entities. Students will learn how to compare claims submitted to third party payers with actual reimbursement received. Spring Semester. Majors Only.

HLIN 2203 Quality Assessment/ Utilization Review 3 hrs.

This course is designed to provide the student with the theoretical knowledge and technical skills relative to the operation of a quality assessment and utilization management program within a health care facility. The influence of government regulations and accrediting agency standards will be introduced. Fall Semester. Majors Only.

HLIN 2205 Classification Systems I - ICD 5 hrs.

This course is designed to emphasize the history and development of disease classifications. The student will spend time learning the procedures of various systems. Application of the current classification system will be emphasized. Prepared software will be used to enhance the understanding of the current classification system. Financial implications of the classification system will be discussed. Four hour lecture, two hours laboratory per week. Fall Semester. Majors Only.

HLIN 2206 Clinical Practicum I 4 hrs.

Students in this course will analyze, number, file, retrieve, transcribe, and prepare statistical reports. The student will be working with coding and abstracting of disease/procedure entities. This clinical practicum will take place in a health care facility. Students will be expected to be at a clinical site 120 hours. Majors Only. Fall Semester

HLIN 2207 Health Information Supervision 3 hrs.

This course is designed to introduce management functions required to direct a health information department. This will include procedure development, job descriptions, research for a proposal, department layout as well as other areas of management. Current standards of health care are presented; JCAHO and State Licensure. Spring Semester. Majors Only.

HLIN 2208 Clinical Practicum II 4 hrs.

This is a four credit, three consecutive week course requiring 40 hours of clinical practicum per week. Students will be expected to be at a clinical site 120 hours. The student will be provided opportunity to practice all skills acquired thus far in the two-year program. Majors Only. Spring Semester

HLIN 2209 Classification Systems II - CPT 5 hrs.

This course is designed to introduce the student to the current use of CPT-Coding classification. Various situations for this use will be utilized including: physician's office, outpatient, and ambulatory care settings. Spring Semester. Majors Only.

HLIN 2210 Health Information Technology Capstone 2 hrs.

This course is designed to incorporate all HIT program coursework into an integrated course. The student's didactic knowledge will be blended with their clinical experiences. Guest lecturers, field trips, computer and CD assignments will be used as a teaching tool. This course will also focus on the health information profession by looking at legal issues, professionalism, certification, preparation of a resume, etc. Majors Only. Capstone course.

HLIN 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

HISTORY

HIST 1107 S-FSU United States History I 3 hrs.

Examines the major developments in American history, from pre-Columbian native American cultures to the end of the Civil War, with emphasis on the Colonial, Revolutionary, Early Republic and Civil War eras.

HIST 1108 S-FSU United States History II 3 hrs.

Examines the major developments in American history, from Reconstruction to the present with emphasis on the political, social, cultural, economic and diplomatic forces that contributed to America's emergence as the world's leading industrial democracy.

HIST 2211 S-FSU World Civilizations I 3 hrs.

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations in pre-historic times, ancient empires and the early Middle Ages. Recommended for sophomores and well-prepared freshmen.

HIST 2212 S-FSU World Civilizations II 3 hrs.

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations from the Middle Ages to the social, political, and industrial revolutions of the eighteenth century. Recommended for sophomores and well-prepared freshmen.

HIST 2213 S-FSU World Civilizations III 3 hrs.

An intermediate-level survey of worldwide historical developments from the French Revolution of 1789 to the present era, emphasizing major civilizations and the modern growth of global interdependence. Recommended for sophomores and well-prepared freshmen.

HIST 3301 History of Intelligence and National Security 3 hrs.

An intermediate-level course on the origins, developmental milestones, important events and policies that shaped the United States' intelligence infrastructure. There will be discussion of national security policy and actions that have been implemented, and analysis of their effectiveness. This course will develop skills in research, editing, writing and presentation. Students will be required to research assigned topics, collect documentation, edit references, write an analysis of a proposed course of action, and support a recommended course of action in an oral briefing with graphic slides. The format of this course is designed to acquaint the student to the time-sensitive and volatile nature of collection, analysis, production and dissemination of intelligence information.

HIST 3302 West Virginia 3 hrs.

This course covers West Virginia history, government and geography from the first settlements to the present time. PR: History 1107, 1108.

HIST 3310 Diplomatic and Military History of the United States 3 hrs.

Addresses the relations between the United States and other countries, and the development of basic American foreign policies from the colonial background to the super-power status of the present day. Students will pay special attention to war and its foreign-policy consequences. PR: History 1107, 1108.

HIST 3315 Colonial America 3 hrs.

Covers the American colonies from their beginnings to the end of the Revolutionary War. PR: History 1107.

HIST 3316 The Early Republic 3 hrs.

Covers United States history from the Revolutionary War to the close of the Mexican War. PR: History 1107.

HIST 3317 Civil War and Reconstruction 3 hrs.

This course examines the myriad causes of the Civil War, the social, economic, and political changes in the North and the South during the war, highlights key battles and campaigns, and explores the complex and difficult reunification and reconstruction of the Union and the defeated Confederacy following the war. PR: History 1107.

HIST 3318 The Gilded Age to the Great Crash 3 hrs.

A history of the U.S. from 1877 to the attack on Pearl Harbor. Major topics include the Industrial Revolution, the labor movement, the New South, the Old West and Native Americans, the spoils system, populism, progressivism, World War I and the League of Nations, the Roaring Twenties, the Great Depression, the New Deal and the diplomatic crises of the inter-war years. PR: History 1108.

HIST 3319 Recent America Since 1941 3 hrs.

Examines America's emergence as the leading world power. Topics to be explored will include World War II at home and overseas, the origins, rise and fall of the Cold War, the rise and fall of the liberal consensus, civil rights, feminism, Vietnam War and the anti-war movement and the new conservatism of the post-Nixon years. PR: History 1108.

HIST 3333 History of the American Woman 3 hrs.

An examination of women's changing roles and contributions to American society. PR: History 1107 or 1108.

HIST 3344 African-American History and Culture 3 hrs.

A survey of African-American experience in the United States, from the African cultural background and slavery through the present-day urban experience. PR: 1107 or 1108.

HIST 3351 History of England 3 hrs.

This course covers England's history from Roman rule to the present day. PR: 2211 or 2212 or 2213.

HIST 3352 History of Russia 3 hrs.

Development of the Russian people from the time of their appearance as a national entity, through the tsarist, imperial, revolutionary and Soviet eras to the present. PR: 2211 or 2212 or 2213.

HIST 4405 History of Africa 3 hrs.

Survey of African history from prehistory to the present, with emphasis on the medieval, colonial, and modern periods. PR: 2211 or 2212 or 2213.

HIST 4410 History of Asia 3 hrs.

An intensive survey of Asian cultural developments from prehistory to the present, with special emphasis on the impact of the West on Asian nations. PR: 2211 or 2212 or 2213.

HIST 4420 History of Latin America 3 hrs.

Topics include conquest and colonial developments in South America, from Columbus to Latin America's role in contemporary perspectives. PR: 2212 or 2213.

HIST 4425 Medieval Europe 3 hrs.

This course covers formative development in intellectual, social, economic, and political history of medieval Europe, beginning with the fall of Rome. PR: 2211 or 2212.

HIST 4428 Renaissance and Reformation 3 hrs.

This course will comprehensively survey the political, economic, Military, social and cultural, artistic and architectural history of Europe, from the late 5th century through the end of the 13th century, beginning with the formation and the rise of the national monarchies of France, England, Spain and the fragmented and inchoate Holy Roman Empire and the fractious Italian city-states. Major conflicts such as the Franco/Spanish invasions of Italy, investiture conflicts between the Papacy and the French and German Monarchs, and the portentous Babylonian Captivity of the Church and the ensuing Great Schism, will be covered in detail. Medieval painting, architecture in the form of the gothic cathedral, sculpture and engraving will be integrated within the framework of each region producing such as masterworks. A major component will be the eras of the Crusades, from the first in 1095 through the fourth in 1204, and every effort will be made to relate these Christian expeditions to the current 21st century military campaigns in the Middle East, the Christian vs. the Muslim world, the clash of cultures, and the resultant failures of the West to prevail in the long run, both in the 11th, as well as in our present century. A second major component will be the Commercial Revolution of the 10th through the 14th centuries, with the emergence of the famous Hanseatic League, the rise and expansion of the Ottoman Empire and its impact on Europe, and the concomitant necessary to find an all-water route to the Far East which led to the discovery of America. PR: HIST 2211 and 2212.

HIST 4429 Age of Absolutism 3 hrs.

The Age of Absolutism will cover in depth the history of Europe from the Wars of Religion climaxing in the Peace of Augsburg (1555) through the 16th, 17th, and 18th centuries climaxing in the French Revolution. Emphasis will be on the development of Absolutism in France, Germany, Austria, and Russia, and the contrast with England, where monarchy is unable to fully develop due to the British historical tradition, the Civil War and Glorious Revolution. PR: HIST 2212.

HIST 4430 19th Century Europe 3 hrs.

19th Century Europe will treat in depth the political, economic, military, intellectual, cultural, and geographic evolution of modern Europe from the Battle of Waterloo in 1815 to the outbreak of the Great War in 1914. Emphasis will be on the formation of national states, the significant revolutions throughout Europe in 1848, the growth of liberalism, socialism, communism, and the emergence of nationalism as ideological forces shaping the modern world. Highlights will be on the national unification movement of Germany and Italy, and the creation of European alliance systems which brought about the World War. PR: HIST 2213.

HIST 4431 Recent Europe 3 hrs.

A study of problems of readjustment in the 20th century: the League of Nations, fascism and Communism, the World Wars, the Cold War, and the European community. Spring semester only. PR: HIST 2213.

HIST 4455 Revolutions in History 3 hrs.

A study of revolutionary thought and action as a force in world history since ancient times. Major topics include the American and French Revolutions of the eighteenth century, the Chinese and Russian Revolutions of the early twentieth century, and a sampling of more recent revolutionary movements in representative regions of the world. PR: 2211 or 2212 or 2213.

HIST 4475 Philosophy of History 3 hrs.

A survey of the philosophical systems, both speculative and analytical, that have been advanced to evaluate humanity's historical experience. Credit in either philosophy or history. PR: 2211 or 2212 or 2213 or Philosophy 2200.

HIST 4498 Senior Seminar 3 hrs.

An identification, review, and historically-oriented synthesis of major concepts in the fields of geography, history, political science, psychology, sociology and economics. Required of history and Social Studies Comprehensive Education majors, but open to all. PR for history majors: senior standing. Fall semester only.

HIST 4499 Selected Topics 3 hrs.

Advanced study of topics specially selected by members of the history faculty according to student demand.

HIST 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

HONORS

HONR 1100 Honors Seminar 1 hr.

This seminar introduces students to critical thinking in a number of disciplines and initiates them into the standards required by the Honors Program.

HUMAN SERVICES

HUSV 1100 Freshman Seminar 3 hrs.

This course is designed to acquaint entering freshmen with various academic, economic, and social aspects of college life and to teach students the skills necessary to succeed in college. In addition, this course would focus on building genuine relationships with people on campus by providing opportunities to engage in various college activities and to work with a Freshman Seminar facilitator, peer leaders and mentors.

HUSV 1103 Community Service Learning 1 hr.

Community Service Learning provides opportunities for students to perform meaningful service to the community while engaging in conscious reflection and critical analysis activities which meet service learning objectives. Students are required to complete a minimum of 20 hours of quality service for a non-profit agency. The hours are completed over the course of the semester with credit given for 2 hours a week. The course is based upon an experiential learning format which includes the college, the student, and the community.

Students may enroll in Community Service Learning three semesters, completing a total of 3 credit hours toward graduation requirements. Three sections of Community Service Learning are offered. Enrollment in the general section does not require instructor permission; however, enrollment in the honor's section and the America Reads and Counts' sections do require instructor permission.

HUSV 1199 Special Topics in Human Services 1-12 hrs.

Students in special selected topics. The topic to be studied will be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

INFORMATION SYSTEMS

INFO 1100 S-C&TC Computer Concepts and Applications 3 hrs.

This course will provide students with a survey of fundamental computing concepts and applications, and will offer a useful foundation upon which students can develop skills necessary to become effective users of information systems. The primary focus of this course will be on productivity software applications, including word processing, spreadsheet, database, the Internet and presentation software. This course fulfills three hours of the First Year Experience. (Competency may be demonstrated.)

INFO 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

INFO 2200 S-FSU Fundamentals of Information Systems 3 hrs.

The course is an introduction to basic business information systems, including networking, systems analysis and design. PR: INFO 1100 or COMP 1100.

INFO 2205 S-C&TC Information Technology: Hardware and Operating Systems 3 hrs.

This course provides the hardware and operating system concepts necessary for system design. System architecture and operating systems are considered for single- and multiple-user computer systems. PR: INFO 1100.

INFO 2207 S-C&TC Windows Server Installation and Maintenance 3 hrs.

This course will provide students with knowledge and skills necessary to install and configure a Windows Server and applications such as DNS, web server, Telnet Server, FTP server, SSH server, and Mail Server. Students will learn to manage user and group accounts and to configure an active directory. PR: INFO 2205 and 2250.

INFO 2220 S-C&TC Spreadsheet Design 3 hrs.

This course is designed to introduce spreadsheet modeling and design. Through hands-on computer work, the student will become familiar with a spreadsheet application package. The course will stress good design techniques as well as spreadsheet techniques and model building. Completion of this course will provide students with the skills needed to attain Microsoft Office Specialist Certification in Excel.

INFO 2225 S-C&TC Fundamentals of Web Design 3 hrs.

Introduction to Web Design course focusing on the overall web site production processes with particular emphasis on design elements involving layout, navigation, and interactivity.

INFO 2235 S-FSU Microcomputer Applications in Business 3 hrs.

This course will provide the opportunity to develop and use basic decision support systems. A problem-solving approach is used to introduce students to the modern business decision-making process. The emphasis is on making business decisions by using and customizing off-the-shelf software. PR: INFO 1100 or COMP 1100.

INFO 2250 S-C&TC Networking Fundamentals 3 hrs.

This course provides an in-depth knowledge of data communications and networking requirements, including networking and telecommunications technologies, hardware and software. Students will explore the analysis and design of networking applications in organizations. Management of telecommunications networks and evaluation of connectivity options are also covered. Students learn to evaluate, select and implement different communication options within an organization. The course consists of two hours of lecture and two hours of lab per week. PR and/or CR: INFO 1100.

INFO 2251 S-C&TC Router Theory and Router Technologies 3 hrs.

This course examines the theory and technology of routers, including router programming, configuration and protocols. The course consists of two hours of lecture and two hours of lab per week. PR: INFO 2250.

INFO 2252 S-C&TC Advanced Routing and Switching 3 hrs.

This course covers advanced routing and switching concepts. It is a continuation of INFO 2251. The course consists of two hours of lecture and two hours of lab per week.

INFO 2253 S-C&TC Project-Based Learning 3 hrs.

This course covers advanced Wide Area Network technologies. It is a continuation of INFO 2252. The course consists of two hours of lecture and two hours of lab per week. PR: INFO 2252

INFO 2255 S-C&TC Fundamentals of UNIX 3 hrs.

Fundamentals of UNIX sponsored by Sun Microsystems teaches students how to use UNIX operating system commands and, in the hands-on-exercises, basic Sun Microsystems' Solaris(tm) operating environment commands, and introduces students to the common Desktop Environment (CDE - graphical interface between different environments). The class is intended for new users of UNIX. Students will learn fundamental command-line features of the Solaris environment including file system navigation, file permissions, the vi text editor, command shells and basic network use. CDE features include Standard Desktop Tools, Text Editor, printing and mail. PR: INFO 2250.

INFO 2256 Information Security 3 hrs.

This course will provide a foundation for understanding the key issues important in maintaining information CIA (Confidentiality, Integrity, Availability) in a business environment. The course covers fundamental theories as well as the practical skills. Students will learn security management and technical components of information security. They will be exposed to a wide spectrum of security activities, methods, methodologies, and procedures. PR: INFO 2205 and 2250.

INFO 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

INFO 2995 S-C&TC Professional Internship and Portfolio Development 3 hrs.

The purpose of this course is to allow students to bring business topics into focus by using all their collected business knowledge. This will be accomplished through completion of a portfolio that will demonstrate to prospective employers the student's career preparation. The student will also be required to complete a professional internship in the workplace. The importance of career and goal planning will be emphasized. A total of 140 hours of supervised work will be required. PR: Instructor Approval Required. Capstone course.

INTERPRETER TRAINING PROGRAM

ITTP 2200 American Sign Language V 3 hrs.

In this course the primary emphasis is placed on the advanced development of ASL expressive and receptive skills. The language in a natural context using the proper expressions and grammatical structures will be applied. Phrasal vocabulary and components of storytelling will be introduced. PR: AMSL 1995. Majors only. Fall semester only.

ITTP 2201 Sign-to-Voice Interpreting I 3 hrs.

An introductory course designed to provide the development of skills receptively while expressing an equivalent message in spoken English. Focus is placed on the interpreting process, appropriate English word choices, vocal inflection, and English structure. Fall semester only.

ITTP 2202 Voice-to-Sign Interpreting I 3 hrs.

An introductory course that provides students with an overview of the field of interpreting and the processes involved. The student will learn the components of communication, culture, community and how it applies to rendering a signed message and interpreting. Fall semester only.

ITTP 2203 Simultaneous and Consecutive Interpreting 3 hrs.

Students will use a hands - on approach in this course to develop skills and proper execution in simultaneous and consecutive styles of interpreting. Students will learn to think analytically and to apply this skill to "real life" situations increasing speed accuracy and complexity of the interpreting process. Topics will include hospitality, social welfare, housing, education, paralegal, and medical scenarios. Videotaping will be used to evaluate skill and provide feedback. Fall semester only.

ITTP 2204 American Sign Language VI 3 hrs.

This course will continue to develop expressive and receptive ASL skills and the language in its natural context along with full body expressions. PR: ITTP 2200. Spring semester only.

ITTP 2205 Sign-to-Voice Interpreting II 3 hrs.

A continuation of Sign-to-Voice Interpreting I with more emphasis placed on advanced receptive skills, word choices, vocal inflection, and ability to interpret signed messages using appropriate English structure. PR: ITTP 2201. Spring semester only.

ITTP 2206 Voice-to-Sign Interpreting II 3 hrs.

This course continues to increase knowledge and skills in the English/ASL interpretation process. Students will explore the dynamics of ASL structure, the history of interpreting, and will develop a resume and personal portfolio. PR: ITTP 2202. Spring semester only.

ITTP 2208 Legal and Ethical Aspects of Interpreting 1 hr.

This course is designed to guide students into making ethical decisions in interpreting situations by using the RID Code of Ethics. In-depth discussions will pertain to an analysis of professional ethics, confidentiality, legal liability and the role of the interpreter. Spring semester only.

ITTP 2995 Interpreting as Private Practice 4 hrs.

This course provides students with the opportunity to choose and work in "real life" interpreting situations and apply the concepts learned in the classroom to the actual setting. Students will complete a minimum of 100 hours during the practicum and will be directly supervised by staff interpreters. PR: ITTP 2200 and ITTP 2201. Spring semester only. Capstone course.

ITTP 2210 Educational Interpreting 3 hrs.

This course is designed to explore the processes needed to interpret for K-12 Deaf or Hard of Hearing students. Topics include: Educational Interpreter Performance Assessment, the educational paraprofessional, and cognitive and language development. Spring semester only.

INTERDISCIPLINARY STUDIES

INTR 1120 S-FSU Experiencing the Arts 3 hrs.

Introduction to appreciation of the arts through lectures/demonstrations by teachers in the visual arts, music and theatre. Organized thematically, the course offers an opportunity to explore relationships between various artistic media, as well as their relationships with other disciplines. The course will also consider the circumstances which have shaped these relationships and the ways in which contemporary culture conditions how we respond to and interpret art and performance today.

INTR 2200 S-C&TC Race, Class and Gender in Popular Culture 3 hrs.

This course examines the role and function of consumer and leisure life in the construction, interaction, and management of race, class, and gender identities within the United States. By identifying and analyzing how race, class, and gender positions inscribe and inform the values, ideas, and beliefs embodied by pop cultural productions and their consumption, students will learn to recognize and critique the politicized features that impact such everyday phenomena as TV shows, films, commercials, videogames, music videos, sports spectacles, magazine advertisements, fashion, toys, and the Internet. This course, therefore, will enable students to understand with greater clarity why we make the choices we do when acting as consumers of popular culture and how these choices reflect the race, class, and gender identities and values we knowingly or unknowingly ascribe to ourselves and others. PR: ENGL 1104 (with a grade of a"C"or better).

INTR 2201 S-FSU Introduction to Women's Studies 3 hrs.

This is an interdisciplinary course which will focus on a variety of topics in women's studies, such as gender and science, the body, reproductive technologies, public policy and feminist theory. Class discussions will examine positions among feminist ethicists on the implications of gender definition and explore the construction of gender in our society.

INTR 2280 S-C&TC Empowering Leadership 3 hrs.

The purpose of this course is to help prepare students to assume increasingly responsible leadership roles of empowerment in their personal, professional and academic lives. This interdisciplinary, student-centered course focuses not only on significant theories of empowering leadership and their applicability to leaders of the past and present, but also includes substantial hands-on, experiential learning opportunities in which students practice empowering leadership. PR: ENGL 1104 (with a grade of a"C"or better).

INTR 2281 S-C&TC Great Ideas of Leaders 3 hrs.

This interdisciplinary humanities course explores some of the most significant ideas of leaders and the questions they have posed to humankind. Topics include the intersection of leadership with the heroic myth, the nature of government, justice, wealth, culture, the mind, poetics, ethics, good and evil, power and authority, concepts of nature, issues of faith and values-based leadership. PR: INTR 2280.

INTR 2995 S-C&TC Interdisciplinary Practicum 3 hrs.

This course will provide opportunities to observe and interact in appropriate work environments at specific sites in each of the core disciplines: Aviation, Criminal Justice, EMS, and Safety. Sites to be included will be chosen by the program coordinators of the various disciplines, and may vary from time to time. PR: Major in Homeland Security or Pre-Homeland Security. Required core class for the Homeland Security Degree Program. Capstone course.

INTR 3300 Forensic Criminalistics Lab 1 hr.

This lab and activities-based course is designed to complement theoretical content covered in CRJU (Criminalistics). Students will be engaged for a 3 hr. session each week in a variety of comparison science experiences to analyze such things as fingerprints, blood spatter patterns, handwriting, soils, textiles, glass, drugs, flammable liquids, and explosives. PR: PHYS 1102 or 1106, CHEM 1106, BIOL 1106. CR: CJRU 3330.

INTR 4401 Capstone Seminar in Forensic Science 3 hrs.

Designed to help students synthesize and apply, in a forensic science context, the approaches, knowledge and skills acquired in criminal justice, biology, chemistry, mathematics and physics courses. The course structure consists of student-driven case studies and discussions from recent literature, student presentations describing internship experiences and an explicit formal introduction to established professional and laboratory practices in forensic sciences, including ethics. PR: BIOL 3390 and CHEM 2215 and CRJU 3300.

INTR 4402 Seminar in Women's Studies 3 hrs.

This is a capstone course designed as an interdisciplinary overview of topics that may range from a general survey of gender theories in a variety of disciplines to a more focused interdisciplinary theoretical approach, such as postmodernism and feminism, historical explanation of gender roles in western culture and the current debate among feminist ethicists. Discussions will include the works of salient writers such as Simone de Beauvoir. PR: INTR 2210.

INTR 4411 Forensic Science Internship 2 hrs.

This course provides a practical experience for junior or senior forensic science majors who are planning on careers in forensic science or related fields. The internship program offers the student an opportunity for observation of practitioners at work, as well as involvement in the day-to-day operation of a forensic science agency. Students participate in guided observation and activities and complete a reflection paper and log of the internship hours as well as other course requirements. Students will be engaged for a minimum of 85 hours with the participating agency that has been approved by the Forensic Science Program Coordinating Committee. PR: INTR 3300.

INTR 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

ITALIAN

ITAL 1101 Elementary Italian I 3 hrs.

Italian I is designed for students who have no previous instruction in Italian. The course focuses on enabling students to communicate effectively in Italian and to develop an appreciation of the Italian culture.

ITAL 1102 Elementary Italian II 3 hrs.

Italian II is a continuation of Italian I, completing the basic grammatical principles of that language and concentrating on enabling students to speak in formal and informal contexts.

ITAL 2201 Intermediate Italian I 3 hrs.

This course focuses on enabling students to communicate effectively in Italian, by consolidating and expanding the vocabulary and grammar they learned in Italian 1101 and 1102, as well as introducing more sophisticated grammatical structures. The course emphasizes language as a means of understanding culture in the increasingly global world. The course also seeks a heightened understanding of everyday Italian life. The course will be taught in Italian. PR: ITAL 1102.

ITAL 2202 Intermediate Italian II 3 hrs.

This course is a continuation of Italian 2201. Students actively use language and conversational skills acquired in 2201 as they examine Italian housing, environment, music, theater, art, and literature. The course will be taught in Italian. PR: ITAL 2201.

JOURNALISM

JOUR 1199 Special Topics in Journalism 1-3 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs. PR: ENGL 1108.

JOUR 2240 Reporting 3 hrs.

Comprehensive study of fundamental writing forms, styles and mechanics for both print and web, including school publications. This course gives students practical experience in basic writing styles used in scholastic, collegiate and professional mass media. Valuable as a test of writing ability and for making students into more discerning media consumers. Open to second-semester freshmen and above, to first-semester freshmen with previous high school journalism experience, or to those exempt from ENGL 1104. Three hours of lab required. (Enroll in both Journalism 2240 and Journalism L240.) PR: ENGL 1104, 1108.

JOUR 2270 Communications in Society 3 hrs.
Writing Intensive
Survey of mass media in a democratic society and an introduction to mass media career opportunities and preparation. This course may be of interest to those undecided about their careers, especially students with scholastic journalism experience. PR: ENGL 1108.

JOUR 2280 History of American Journalism 3 hrs.
Writing Intensive
This course offers a comprehensive chronological presentation of the development of American mass media, by showing the relationship of the past to the events of today and delineating their impact on the American way of life. Examines the American press from the seventeenth century to date and freedom of press and its present implications. PR: ENGL 1108.

JOUR 3312 The Publications Process 3 hrs.
Writing Intensive
Deals with the practical concerns typical to production of publications; may be of interest particularly to teachers who may supervise a student newspaper, yearbook, magazine or handbook. Students will be encouraged to work on various college publications, since hands-on knowledge of the skills necessary for publication production will be emphasized. Course topics include editing, proofreading, layout, typography, photo selection, graphic design, desktop processing, and staff assessment and supervision. PR: ENGL 1108.

JOUR 3334 News Photography 3 hrs.
This complete course in digital photography will give the student an overview of electronic photography as it applies to use in the news media. It will show the student how to use the digital camera. Students will be shown various photographic techniques and how to process the acquired images. Also, students will learn how to retouch and organize photos using current industry software as well as how to use scanners and to print, share and store photos for use in print and electronic media. A camera is required.

JOUR 3341 Journalism Practice 3 hrs.
This is the capstone course of the journalism major and minor programs. In this course, students are required to perform on-the-job duties during a 100-hour internship, gaining experience in a particular area of journalism, in accordance with the stated goals of the journalism program. Assessment of student achievement of these goals will occur through both a submitted portfolio and the employer's report on the quality of the intern's work. Seniors only. Instructor Approval Required.

JOUR 3342 Publications Practicum 1-3 hrs.
This course provides experience in working with student publications. Students can work on the student newspaper, *The Columns*, and its website; *the Mound* yearbook/magazine; or *Whetstone*, the literary and art journal.

LABORATORY ASSISTANT

LABA 1106 Basic Lab Skills Theory 2 hrs.
This is a lecture course in the theory of basic laboratory skills and concepts and safety techniques. The course is designed to provide the student with entry level knowledge needed to pursue a career path as a laboratory assistant in a research or health care facility, including medical, college and industrial settings. Must have successfully completed or be currently enrolled in LABA 1107. Two hours lecture per week. PR: MATH 0095.

LABA 1107 Basic Lab Skills 1 hr.
The course is designed to provide the student with entry level skills needed to pursue a career path as a laboratory assistant. The course is intended to assist the student with mastering lab skills needed in a research or health care facility, including hospital, college, and industrial settings. Must have successfully completed or be currently enrolled in LABA 1106. 2 hrs. of laboratory per week. CR: LABA 1106.

LABA 1199 Special Topics in Laboratory Assistant 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

LABA 2206 Advanced Lab Skills Theory 2 hrs.
This course is designed to provide the student with knowledge in advanced laboratory skills in preparation for employment or further education. Ethical considerations of patient and client information and customer service will be explored. Patient specimen collection and processing, as well as coding and reporting of results and quality assurance and quality control of work completed will be stressed. Must have successfully completed or be currently enrolled in LABA 2207, 2 hrs. lecture per week. PR: Successful completion of LABA 1106 and 1107 or approval of instructor.

LABA 2207 Advanced Lab Skills 1 hr.
This course is designed to provide the student with advanced laboratory experience and training in preparation for employment or further education. Ethical considerations of patient and client information and customer service will be explored. Patient specimen collection and processing, as well as coding and reporting of results and quality assurance and quality control of work completed will be stressed. Two hours of laboratory per week. CR: LABA 2206. Capstone course.

LABA 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

LIBRARY SCIENCE

LIBS 1105 Introduction to Library Science 3 hrs.
This course is an introduction to the study of Library Science, and is designed to provide students with a firm foundation of the history, philosophy, theory, professional literature, issues and ethics related to the field. Students will explore the different kinds of libraries and their functions in society, as well as modern issues in librarianship. Students will also become familiar with the basic tools of librarianship. Ethical issues related to the field will also be examined and addressed. Instructor's permission.

LIBS 1199 Special Topics in Librarianship 1-12 hrs.
Current topics of interest in library science, to be selected by the instructor and approved by the department coordinator and Dean.

LIBS 2200 Reference and Bibliography 3 hrs.
An introduction to basic reference sources, including their analysis, use, evaluation and selection. Covers both printed and computer-based sources of information. Emphasizes practical reference skills. Spring semester only. Instructor's permission.

LIBS 2209 Library Materials for Children 3 hrs.
A study of the philosophy and principles used in evaluating and selecting materials to enhance the curriculum for younger children, and designing educational lesson plans with library resources for children from birth through 11 years of age. Different types of library resources for children will be identified, and their roles in libraries and education explored. Spring and summer semesters only. Instructor's permission.

LIBS 2210 Library Materials for Adolescents 3 hrs.
A study of the philosophy and principles used in selecting materials and in designing library-media programs for young people. A wide variety of material is studied with an emphasis on collection development for young adults. Fall semester only. Instructor's permission.

LIBS 3302 Cataloging and Classification 3 hrs.

A hands-on course which covers descriptive cataloging, subject analysis and the creation of call numbers. Students will learn basic catalog management techniques, as well as technical processing skills. Fall semester only. PR: LIBS 1105 and 2200.

LIBS 3303 Technologies and the Library 3 hrs.

Examines the functions and management of technologies in the library. Covers characteristics of multimedia materials and the basic criteria for the selection of materials and equipment. Focuses on planning for technologies in the library including funding, system selection, management, student use, and current issues. Spring semester only. PR: LIBS 1105 and 2200.

LIBS 3304 Organization and Administration 3 hrs.

A study of the philosophies, objectives and methodologies involved in the operation of libraries. Emphasizes policies, guidelines and standards, budget, staff, equipment and facilities, public relations, reports and statistics.
Spring semester only. PR: LIBS 1105 and 2200.

LIBS 3305 Libraries in the Educational Process 3 hrs.

A study of the role of the library in the total school program. Focuses on the implementation of the school's goals through instruction, consultation and curriculum support activities. Emphasizes a resource-based approach to learning. Fall semester only. PR: LIBS 3303 and 3304.

LIBS 4400 Library Practice 3 hrs.

This course provides a minimum of 100 hours of practical experience in a library. For a B.A. in Education, this course must be taken concurrently with EDUC 4490 or 4495. PR: LIBS 3305 and Instructor Approval Required.

LIBS 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

MANAGEMENT

MGMT 2209 S-FSU Principles of Management 3 hrs.

The emphasis in this course is on the modern approach to the field of management. Theoretical and practical approaches are presented, along with analytical techniques that are applicable in the various management and production areas.

MGMT 2214 S-C&TC Office Management 3 hrs.

Students in this course will study management principles as they apply to job analysis, production measurement, paper-flow analysis, office design, work allocation and scheduling, construction and use of procedures manuals, forms design, criteria for equipment acquisition, staffing, supervising and motivating employees, labor-management relations, employee benefits, and information distribution and retrieval technologies.

MGMT 3308 Human Resource Management 3 hrs.

A study of the field of personnel management and industrial relations, including its background, development and modern practices. PR: MGMT 2209, BUSN 2251.

MGMT 3370 Compensation and Benefits 3 hrs.

A comprehensive exploration of all forms of employee compensation management and benefit plans, including the various types of benefits and compensation devices found in the business, labor, government and academic communities. Focus areas include pay structures, internal and external pay equity, compensation packages and designing and planning well-conceived, efficient employee benefits. PR: MGMT 3308, BUSN 3319.

MGMT 3371 Employee Relations 3 hrs.

This course examines the dynamics of employee-management relations, with emphasis on unions. Emphasis on methods of reducing employee-management conflict, understanding the grievance process and the role of arbitration and the role of government in the employee-relations process. PR: MGMT 3308, BUSN 3319.

MGMT 3372 Human Resource Selection and Evaluation 3 hrs.

An in-depth study of legal, methodological, and substantive issues related to selection and performance appraisal of employees. Focus areas include concepts of job analysis, validation, test development and administration, adverse impact analysis and affirmative action. PR: MGMT 3308, BUSN 3319.

MGMT 3390 Organizational Behavior 3 hrs.

The purpose of this course is to introduce the student to the problems of human behavior in the organizational setting and the approaches available for solving these problems. Students will examine theories of individual, interpersonal and group behavior in organizations, and will follow this with considerations of how organizations may be designed to utilize the talents of the individuals, and how managers may make use of the theories of motivation, communication and interaction in accomplishing the objectives of the organization. PR: MGMT 2209, BUSN 2251.

MGMT 4400 Organizational Theory and Design 3 hrs.

This course is designed to provide students with an awareness of how organizations are designed and structured. Emphasis is placed on structural characteristics of organizations, how to shape those characteristics and understanding their influences on the organization. PR: MGMT 2209.

MGMT 4402 Organizational Change and Development 3 hrs.

The course uses an experiential learning approach that provides potential and practicing managers with behavioral science intervention theory and methods for improving organizational performance. The students' work will focus on planned change of organizational cultures and processes such as communication, team building, roles, conflict and structure, with the aim of enhancing management behavior, human resources and productivity. PR: MGMT 3308, MGMT 3390.

MGMT 4405 Operations Management 3 hrs.

This course introduces students to various elements in the field of operations management. It covers the most common production and operations concepts encountered in modern production systems. Students will learn certain quantitative and statistical techniques that help evaluate the management of the firm's operations and performance. PR: BUSN 3310, MGMT 2209.

MGMT 4409 Quantitative Management 3 hrs.

A study of the quantitative techniques which have been incorporated into the business environment in recent years. Menu-driven software is used to find solutions to problems associated with the more popular management science techniques. PR: BUSN 3310, INFO 2235.

MGMT 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

MANUFACTURING ENGINEERING TECHNOLOGY

MANF 1100 Materials and Processes 3 hrs.

This course covers the scientific concepts underlying the basic, procurement, process, fabrication and finishing industries while studying the physical and chemical properties of the organic and inorganic materials utilized in today's industrial complex.

MANF 1199 Special Topics in Manufacturing Engineering Technology 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

MANF 2205 Engineering Economy 3 hrs.

Techniques of engineering economy as related to cost, design and selection of materials. PR: MATH 1102.

MANF 2250 Total Quality & SPC 3 hrs.

The purpose of this course is to introduce students to concepts related to total quality management and statistical process control. Topics include the total quality concept, the contributions of W. Edwards Deming, quality and competitiveness, establishing a customer focus, leadership and teamwork, decision-making and problem solving, foundations of statistical process control and continuous improvement.

MARKETING

MKTG 2204 S-FSU Principles of Marketing 3 hrs.

A study of those business activities that direct the flow of goods and services from producers to consumers.

MKTG 2205 Salesmanship and Sales Management 3 hrs.

This course is a study of techniques appropriate to personal selling and managing salespeople, both retail and contract. Students are given opportunities to construct and give presentations. PR: MKTG 2204, COMM 2202.

MKTG 3305 Supply Chain Management 3 hrs.

The purpose of this course is to help students understand specific issues involved in distribution and logistics management. Systematic approaches to the formulation of distribution and logistical strategies will be discussed. PR: MKTG 2204, BUSN 2251.

MKTG 3310 Consumer Behavior 3 hrs.

A study of the activities, behaviors and processes exhibited by consumers, directly involving the selection, procurement, consumption and disposition of products and services. PR: MKTG 2204, BUSN 2251.

MKTG 3320 Advertising and Sales Promotion 3 hrs.

This is a survey course of social, psychological and some technical aspects of advertising and sales promotion for both business and journalism students. PR: MKTG 2204, BUSN 2251.

MKTG 3340 Marketing Research 3 hrs.

This course is designed to introduce students to the nature and scope of market research and its role in designing and implementing successful market programs. Among the topics covered are the market research process, research design, data collection and analysis. Basic and advanced statistics techniques will be discussed in detail, with emphasis on explaining the procedures, interpreting the results and uncovering the managerial implications. PR: BUSN 3310, MKTG 2204.

MKTG 3399 Special Topics in Marketing 1-6 hrs.

This is an advanced studies course in special select marketing topics, to be determined by the instructor and approved by the Dean. PR: 12 credit hours in Marketing.

MKTG 4450 Marketing Management 3 hrs.

This course is designed to provide a more in-depth study of marketing theory and processes. Emphasis will be placed on the analysis and decision-making processes required of marketing managers. PR: MKTG 3310, MKTG 3320, MKTG 3340.

MKTG 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

MATHEMATICS

MATH 0093 S-C&TC General Math 3 hrs.

(See Academic Development Center)

MATH 0094 S-C&TC Pre-Algebra 3 hrs.

(See Academic Development Center)

MATH 0095 S-C&TC Elementary Algebra 3 hrs.

(See Academic Development Center)

MATH 1100 S-C&TC Intermediate Algebra 3 hrs.

This is a course in techniques for performing operations on polynomial, exponential and rational expressions and subsequently solving linear and quadratic equations and inequalities. The course will also cover equations and inequalities using absolute value and function notation. This course cannot be used as mathematics credit toward certification for teaching mathematics or for the General Studies requirement in mathematics. Students will need computer access to use the online homework system required in the class. PR: MATH ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095.

MATH 1101 S-FSU Applied Technical Mathematics I 3 hrs.

This course is an introduction to fundamental mechanics and techniques for performing operations with algebraic expressions, and subsequently solving linear equations, systems of linear equations and quadratic equations. The course also introduces trigonometric functions and is designed to develop methods of solving right angles and oblique triangles using trigonometry. This course cannot be used to satisfy the general studies math requirement. PR: MATH ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095. This course is intended for students in the Technology programs.

MATH 1102 S-FSU Applied Technical Mathematics II 3 hrs.

This course is a continuation of Math 1101. Topics include solving radical equations and polynomial equations, complex numbers, exponential and logarithmic functions, inequalities and trigonometry. PR: MATH 1101 with a "C" or better.

MATH 1106 Applied Math in Health Careers 3 hrs.

This course uses mathematics to investigate and solve real-world problems applicable to the respiratory care/health fields. Students will apply quantitative skills that include using the operations on real numbers to solve linear equations and proportions, manipulate formulas, apply dimensional analysis, and use basic statistics to draw conclusions related to patient care. This course will meet the math requirement for the AAS degree in Respiratory Care. PR: Math ACT score of 19 or higher, Math SAT score of 460 or higher, a COMPASS score of 36 or higher, or credit for Math 0095.

MATH 1107 S-FSU Fundamental Concepts of Mathematics 3 hrs.

This introductory survey course is specifically developed to fulfill the General Studies requirements in mathematics. It is designed to strengthen computational skills while focusing on real-world problems. Topics may include critical thinking skills, sequences, set theory, logic, probability, statistics, consumer mathematics and the metric system. PR: Math ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095.

MATH 1112 S-FSU College Algebra 3 hrs.

This course includes a review of real numbers, complex numbers, algebraic expressions, equations and inequalities, functions and inverse functions graphing, systems of equations, exponents and radicals, exponential functions, logarithms, and conic sections. PR: MATH ACT score of 21 or MATH SAT of 500 or COMPASS score of 49 or MATH 1100.

MATH 1113 S-FSU Applied Statistics 4 hrs.

This course is an introduction to statistics with appropriate applications. Topics covered include descriptive statistics, probability, binomial distribution, normal distribution, sampling, hypothesis testing and regression and correlation. A problem-solving approach and modern software will be used. PR: MATH ACT score of 21 or MATH SAT of 500 or COMPASS score of 49 or MATH 1102 or MATH 1112. Spring Semester Only.

MATH 1115 S-FSU Trigonometry and Elementary Functions 3 hrs.

This course includes a study of circular and trigonometric functions, trigonometric identities, equations and graphs, vectors, logarithms, complex numbers, functions and inverse functions and related topics. PR: MATH ACT score of 23 or MATH SAT of 540 or COMPASS score of 63 or a C or better in MATH 1112.

MATH 1170 S-FSU Introduction to Mathematical Analysis 4 hrs.

This course is designed to help those students pursuing a degree in mathematics (who have not had five years of high school mathematics) gain the experience required for courses at the calculus level and beyond. Topics include an introduction to formal logic and set theory, the principle of mathematical induction, properties of real and complex numbers with proofs, general functions and related notions, sequences and series. PR: MATH ACT score of 23, or MATH SAT 540 or COMPASS score of 63 or MATH 1115.

MATH 1185 S-FSU Applied Calculus I 4 hrs.

A study of calculus with an emphasis on its applications to science, business, technology and social science. Topics covered using the derivative consist of functions and their graphs, max/min problems, related rates, approximation of change and curvilinear motion. Topics covered using the integral consist of area, volume and accumulation functions. Graphing calculators and mathematical software will be introduced and used throughout the course. PR: MATH ACT score of 24, or MATH SAT 560 or COMPASS score of 67 or MATH 1115 or MATH 1102 with "B" or better.

MATH 1186 S-FSU Applied Calculus II 4 hrs.

A continuation of the study of calculus as applied to science, business, technology and social science. The integral will be further studied, including applications of area, volume, accumulation functions, curvilinear motion, solutions to some simple differential equations and other applications chosen from a variety of disciplines. Students will examine sequences and series involving convergence and divergence, power series and Taylor polynomials and series. The calculus of vectors and multivariable functions will be introduced and partial derivatives and multiple integrals will be used to study applied problems from a variety of disciplines. Graphing calculators and mathematical software will be used throughout this course. PR: MATH 1185. Spring Semester Only.

MATH 1190 Calculus I 4 hrs.

This course is the calculus of one variable, beginning with an intuitive study of limits and a geometric interpretation of the derivative. Topics include differentiation of functions and the application of the derivative to graphing functions, approximating functions, solving max/min problems and related rate problems, anti-differentiation and its link to the signed area under a curve, the fundamental theorem of calculus and applications of the definite integral. PR: MATH ACT score of 25, or MATH SAT 570, or COMPASS 73, or MATH 1115 or MATH 1170 or MATH 1186.

MATH 1199 Special Topics in Mathematics 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

MATH 2200 Mathematical Logic 3 hrs.

This course covers sentential and general theory of inference, theory of proof and definition and elementary intuitive set theory. PR: MATH 1115 or MATH 1170 or MATH 1185 or MATH 1190. Spring semester only.

MATH 2206 Introduction to the Theory of Numbers 3 hrs.

Topics include prime numbers, the unique factorization theorem, congruencies, Diophantine equations, primitive roots and the quadratic reciprocity theorem. PR: MATH 1190. Spring Semester Even Years Only.

MATH 2212 Sets, Relations and Functions 3 hrs.

Topics to be studied are those related to sets, relations and functions which are common to most upper-level mathematics courses. Fall semester only. PR: MATH 1170 or MATH 1190. Fall Semester Only.

MATH 2216 Introduction to Discrete Mathematics 3 hrs.

This course is designed to provide a survey of the reasoning and objects of study found in discrete mathematics. Topics considered include sets, relations, functions, combinatorics, graphs, trees, discrete probability and recurrence relations. Interspersed throughout the course will be material on the nature of proof and analysis of algorithms. PR: MATH 1115 or MATH 1170 or MATH 1185 or MATH 1190. Fall Semester Only.

MATH 2251 Structure of the Real Numbers 3 hrs.

This course starts with basic concepts of sets and continues with properties of operations and a logical development of the set of real numbers. Beginning number theory concepts and an introduction to probability are also included. This course connects structure to prior math knowledge and real-world applications. PR: Math 1112 or Math ACT of 23 or Math SAT of 540 or Compass score of 63, and admission to Teacher Education.

MATH 2252 Data Analysis and Geometry 3 hrs.

This course offers an introduction to data analysis and statistics and the study of geometry. Included is descriptive statistics, standard and non-standard measurement, a formal and informal approach to geometry, van Hiele levels, and the use of dynamic geometry software. PR: Math 1112 or Math ACT of 23 or Math SAT of 540 or Compass score of 63, and admission to Teacher Education

MATH 3315 Calculus II 4 hrs.

This course is a continuation of MATH 1190. Topics include applications of the definite integral, exponential and logarithmic functions, inverse trigonometric functions, techniques of integration, conic sections, plane curves and polar coordinates, limits involving indeterminate forms, improper integrals, sequences, and infinite series. Spring semester only. PR: MATH 1190.

MATH 3316 Calculus III 4 hrs.

This course is a continuation of Math 3315. Sequences and series will be followed by a study of calculus of two and three variables. Topics include vectors, dot product, cross product, lines, planes, vector functions and their derivatives and integrals, the study of quadratic surfaces, partial differentiation, gradient and double and triple integrals. PR: MATH 3315 or (MATH 1186 and MATH 1190.) Fall Semester Only.

MATH 3335 Probability and Statistics 3 hrs.

Course topics include sample spaces, events as subsets, probability axioms, finite sample spaces and equiprobable measure as special case, binomial coefficients and counting techniques applied to probability problems, conditional probability, independent events, Bayes' formula, random variable, probability functions, density and distribution functions, special distributions, independent random variables, Poisson and normal approximation to the binomial and some statistical applications. Students will also learn estimation and sampling, point and interval estimates, hypothesis-testing, power of a test and regression. PR: MATH 3316 or concurrent enrollment in MATH 3316. Spring Semester Only.

MATH 3342 Numerical Analysis 3 hrs.

In this course, students will investigate solutions of equations, functional iteration of equations, analysis of special methods such as the methods of false position and of Newton, iteration for systems of equations, reduction to first order systems, Gaussian elimination and some iterative methods for inversion. PR: COMP 1102 and CR: MATH 3316. Fall Semester Odd Years Only.

MATH 3353 Math Methods for Elementary Teachers 3 hrs.

This course is designed to prepare pre-service elementary school teachers to teach mathematics. Students will study tools for teaching mathematics, math teaching strategies, current topics in math education, problem solving and reasoning, and assessment. Numerous laboratory experiences are required such as tutoring, micro-teaching, and construction of a NCTM Standards-based unit. PR: Math 2251 and Math 2252 with a C or better in each and admission to Teacher Education.

MATH 3361 Abstract Algebra 3 hrs.

Writing Intensive

Topics include sets, relations, functions, operations, algebraic systems such as integers, rationals and matrices, isomorphism and examples. Students will examine equivalence classes, groups, subgroups, cyclic groups, basic theorems, Lagrange's theorem, homomorphism, normal subgroups, quotient group, the isomorphism theorems, rings, integers, matrices, polynomials, integral domains, fields and quotient field. The course will also cover ideals, residue class rings, unique factorization domains, Euclidean domains, integers, polynomials over a field, division algorithm, highest common factor and unique factorization in Euclidean domain. PR: ENGL 1108, MATH 1190 and MATH 2212. Spring Semester Only.

MATH 3362 Linear Algebra 3 hrs.

This course covers vector spaces abstractly defined, linear dependence and independence, bases and subspaces, dimension of linear space, linear mappings, kernel and image of maps, rank of maps, linear maps as vector spaces, composition of mappings and multiplication of matrices, the relation between linear mappings and systems of linear equations, row reduced echelon matrix, invertible matrices, calculation of inverse, linear inequalities and half spaces. PR/CR: MATH 3315. Fall Semester Only.

MATH 3372 Modern Geometry 3 hrs.

A brief review of informal Euclidean geometry, including areas and volumes. The course will also include a formal development of Euclidean geometry, utilizing concepts such as incidence, convexity separation, distance functions and angular measurement functions. Other geometric topics such as topology, non-Euclidean geometry, finite geometries, projective geometry and transformational geometry are briefly introduced. PR: MATH 1190. Fall Semester Even Years Only.

MATH 3375 Topology 3 hrs.

This course consists of the study of topological spaces and notions, including continuity, convergence, separation, compactness and connectedness. PR: MATH 2212 and 3316. Spring Semester Odd Years Only.

MATH 3391 Real Analysis 3 hrs.

Covers real numbers, topology of the reals, infinite series, continuous functions, sequences and series of functions, differentiation, integration and power series. PR: MATH 2212 and MATH 3316. Spring Semester Even Years Only.

MATH 4400 Seminar 1-3 hrs.

PR: Instructor Approval Required.

MATH 4401 Differential Equations 3 hrs.

A study of first-order and simple higher-order ordinary differential equations and their applications, linear differential equations with constant coefficients and their application, simultaneous differential equations and their applications, the numerical solution of differential equations and solution of differential equations by use of series. PR: MATH 3316. Spring Semester Odd Years Only.

MATH 4431 Methods and Materials in Teaching Mathematics 3 hrs.

This course is designed for senior education majors with a math teaching specialization in either grades 5-Adult or 5-9. Mathematics curricula and methods at the middle and high school levels are studied. Numerous laboratory experiences such as microteaching and math tutoring are required. 5-9 and 5-Adult must complete this course prior to enrolling in Secondary Student Teaching/Clinical III. Fall Semester Only. Must be admitted to Teacher Education to take this course.

MATH 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

MECHANICAL ENGINEERING TECHNOLOGY

MECH 1100 Statics 3 hrs.

The study of force systems that act on rigid bodies in static equilibrium. Topics of study include the analysis of coplanar and noncoplanar force systems using analytical and graphical methods. PR: MATH 1102, or 1115, or CR: MATH 1102.

MECH 1199 Special Topics in Mechanical Engineering Technology 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

MECH 2200 Strength of Materials 4 hrs.

The analysis of stress and deformation of deformable bodies under the action of forces. Students will examine the design and selection of tension and compression members, shafts and beams, stress and strain, Hook's Law, mechanical properties of engineering materials, torsion, bending and buckling theory. PR: MATH 1102 and MECH 1100 with a C or better in both.

MECH 2210 Thermodynamics I 3 hrs.

An introduction to the thermodynamic laws of conservation of mass and energy. Students will explore applications in the analysis of energy sources, transformations and utilizations. PR: MECH 1100 with a C or better.

MECH 2220 Fluid Mechanics 3 hrs.

A study of the mechanics of fluid systems. Topics include fluid statics and dynamics, dimensional analysis and similitude, steady flow of incompressible fluids in pipes, ducts, and open channels, steady flow of compressible fluids over surfaces and about immersed bodies and turbomachinery. PR is one of the following: PR: MECH 2200, TECH 2290 or MATH 1185 or MATH 1190.

MECH 2240 Machine Design I 3 hrs.

Application of the principles of mechanics to the design and selection of machine components. Topics of study include beams, columns, shafts, gears, bearings, belts, brakes, and springs. Design projects will be assigned and computer solutions will be utilized. PR: MECH 2200, COMP 1101 and either TECH 2290 or MATH 1185 or MATH 1190.

MECH 3300 Thermodynamics II 3 hrs.

A continuation of the study of thermodynamics, with special emphasis on equations of state, calorimetry, processes, heat engines and the Second Law of Thermodynamics. Topics include PVT relationships of pure substances, caloric equations of state, properties of multi-phase substances, processes of compressible and incompressible gases, liquids, solids, and multi-phase substances, the Carnot heat engine, entropy, refrigeration and heat pump cycle, the Third Law of Thermodynamics and the analysis of Carnot cycles. PR: MECH 2210.

MECH 3320 Dynamics 3 hrs.

The study of Newtonian dynamics of particles and rigid bodies in plane motion. Topics include Kinematics, Newton's Laws, work and energy principles and impulse momentum. Baccalaureate majors only. PR: MECH 1100 and TECH 3300 or MATH 1186 or MATH 3315.

MECH 3330 Heat Transfer I 3 hrs.

A study of heat energy interactions in solids, liquids, and gases. Topics include fundamental laws of conduction, convection and radiation heat transfer. Baccalaureate majors only. PR: PHYS 1102, TECH 3300 or MATH 1186 or MATH 3315.

MECH 3340 Heating, Air Conditioning and Ventilation 3 hrs.

A study of the principles of fluid mechanics, thermodynamics and heat transfer as applied to HVAC systems. Topics include: heating and cooling load calculations, heating, air conditioning and refrigeration systems; automatic controls; heat pumps for heating and cooling; solar heating and cooling systems. PR: MECH 3300.

MECH 3350 Numerical Methods 3 hrs.

A study of numerical methods, with application to the formulation and solution of engineering problems. Topics include mathematical modeling, engineering problem solving, roots and equations, curve fitting, numerical integration and ordinary differential equations. Digital computers and software are used extensively. PR: COMP 1101, PHYS 1101, and either TECH 2290 or MATH 1185 or MATH 1190.

MECH 4400 Mechanical Measurements 3 hrs.

The study of the measurement of motion, force, torque and power with emphasis on strain measurement and strain gage techniques with instrumentation. Topics also include error analysis, and curve fitting. PR: MECH 3320.

MECH 4410 Thermodynamics III 3 hrs.

A continuation of the study of thermodynamics, with special emphasis upon application to heat, power and refrigeration systems. Topics include energy availability and irreversibility in open and closed thermodynamic systems, mixtures of gases and vapors, reactive systems, internal and external combustion power cycles, reversed cycles and flow through nozzles and diffusers. PR: MECH 3300, 3330.

MECH 4430 Heat Transfer II 3 hrs.

A continuing study of conduction, convection, and radiation heat transfer, with emphasis on application to residential, commercial and industrial and heat exchanger design. Topics include steady-stated transient heat conductions, free and forced heat convection, condensing and boiling heat transfer, radiation, transfer by combined mechanisms, numerical and analog methods. PR: MECH 3330.

MECH 4440 Engineering Systems Design Laboratory 3 hrs.

A study of analog, digital and mixed engineering systems, similitude of mechanical and electrical engineering systems, dimensional analysis and theory of models. PR: MECH 3300, MECH 3320.

MECH 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

MEDICAL LABORATORY TECHNOLOGY

MLAB 1103 Clinical Serology 2 hrs.

This course is designed to include basic immunology principles, theory and diseases related to antigen and antibody reactions and techniques. Laboratory methodology including serial dilutions will be performed. MLT majors have registration priority for this class. One hour lecture, two hours lab per week. Fall. MLT Majors only.

MLAB 1104 Urinalysis and Body Fluids 2 hrs.

Through a combination of lecture and laboratory experience, students will study the theory and techniques of analyzing urine and body fluids, including the clinical significance of these analyses. One hour lecture and two hours lab per week. PR: HLCA 1105 and MLAB 1103. Spring.

MLAB 1105 Laboratory Mathematics and Instrumentation 3 hrs.

This course is designed to familiarize students enrolled in Medical Laboratory Technology with practical aspects of the Clinical Laboratory. Through a combination of lecture and laboratory experience, students will be exposed to laboratory calculations, quality assurance, safety, manual and automated instrumentation, including sample analysis, patient and quality control validation, and patient and quality control charting. Two hours lecture, two hours lab per week PR: HLCA 1105 and MLAB 1103. Spring.

MLAB 1160 Clinical Microbiology I 4 hrs.

This course is an introduction to the study of medically important bacteria and parasites. The biochemistry, genetics, and physiology of bacteria will be discussed as well as methods of cultivation, isolation, and identification of these organisms. Life cycles of parasites and methods of identification will be studied. PR: MLAB 1103 and HLCA 1105. Two hours lecture and four hours lab per week. Spring.

MLAB 1180 Immunohematology 4 hrs.

This course is designed to incorporate theory, principles, applications and reactions of antigens and antibodies associated with the red blood cell. Blood typing, blood donation, transfusion reactions, genetics, hemolytic disease and quality control will be covered utilizing laboratory methodologies, case studies, and computer tutorials. 3 hrs. lecture and 3 hrs. of laboratory per week. PR: MLAB 1103 and HLCA 1105. Spring.

MLAB 1199 Special Topics in Medical Laboratory Technology 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

MLAB 2218 Hematology 4 hrs.

This course is designed to provide the student with an understanding of the theory and principles in normal blood cell production, blood dyscrasias, and coagulation. Applications and techniques of measurement used in performing the complete blood count, coagulation studies, and special hematological procedures will be used in the laboratory. Nine hours lecture and nine hours laboratory per week. PR: HLCA 1105 and MLAB 1104. Summer.

MLAB 2219 Clinical Microbiology II 4 hrs.

This course is a study of bacterial, fungal, and viral disease agents which includes the clinical laboratory methods of cultivation, isolation, and identification of bacteria and fungi. Three hours lecture and three hours lab per week. PR: MLAB 1160. Fall.

MLAB 2220 Clinical Biochemistry 4 hrs.

This course is designed to address principles, procedures and disease states relating to the field of clinical chemistry. Abnormal laboratory results will be correlated to disease states using case studies. Laboratory safety, instrumentation, computer and laboratory information system use, and quality assurance will be stressed. Three hours lecture, three hours lab per week. PR: MLAB 1105, CHEM 1102 or 1106. Fall.

MLAB 2221 Clinical Practicum I 4 hrs.

This course is designed to orient the students to the Clinical Laboratory. Students will be assigned to a major area of the laboratory (chemistry, hematology, immunohematology, or microbiology). Laboratory safety, specimen collection including phlebotomy, specimen processing and analysis, data acquisition, quality assurance and sample validation, instrument troubleshooting, sample reporting including calculations, charting and clinical correlation will be included. Clinical serology and urinalysis/body fluid techniques and objectives will be completed in the appropriate major department. 154 hours laboratory. PR: MLAB 2219 and MLAB 2220.

MLAB 2222 Clinical Practicum II 4 hrs.

This course is a continuation of MLAB 2221. Students will be assigned to a second major area of the laboratory. Additional skills and increased competency levels in specimen processing and sample analysis, data acquisition, quality assurance and reporting will be included. Interpersonal relationships and basic techniques involving the major area of study will be emphasized. PR: MLAB 2221. 154 hours laboratory.

MLAB 2223 Clinical Practicum III 4 hrs.

This course is a continuation of MLAB 2222. Students will be assigned to a third major area of the laboratory. Additional skills and increased competency levels in specimen processing and sample analysis, data acquisition, quality assurance and reporting will be included. Interpersonal relationships and basic techniques involving the major area of study will be emphasized. PR: MLAB 2222. 154 hours laboratory.

MLAB 2224 Clinical Practicum IV 4 hrs.

This course is a continuation of MLAB 2223. Students will be assigned to a fourth major area of the laboratory. Additional skills and increased competency levels in specimen processing and sample analysis, data acquisition, quality assurance and reporting will be included. Interpersonal relationships and basic techniques involving the major area of study will be emphasized. PR: MLAB 2223. 154 hours laboratory.

MLAB 2225 Seminar 1 hr.

This course is designed to correlate the MLT students' didactic knowledge with their clinical experience. Guest lecturers, field trips, computer and CD assignments and community interaction will be used as teaching tools. PR: Instructor Approval Required, MLT student in final semester of program. Spring Only.

MLAB 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

MLAB 2995 Clinical Case Studies 3 hrs.

This course is designed to enhance the critical thinking skills and communication skills necessary in the clinical laboratory. Through a combination of analyzing clinical case studies involving laboratory generated data, group dynamics and presentation experiences, students will be able to combine didactic and practical knowledge obtained in all MLT courses. Students will write and present a case study. PR: MLT student in final semester of program. Spring. Capstone course.

MUSIC

MUSI 1100 Introduction to Music Education 1 hr.

This course is a seminar-style overview of the field of music education. Topics of discussion include philosophies, teaching methods, administration, technology and historical background. Students are required to do some observation in the schools. Fall Semester.

MUSI 1101 Concerts, Recitals, and Seminars 0 hrs.

This course is designed to provide concert attendance experience and performance opportunities for music majors and minors. This course is required of all music students each semester except when student teaching. Consult the Department of Music Handbook for specific information.

MUSI 1102 Introduction to Keyboard I 1 hr.

This course in beginning piano is designed as an elective for the student not majoring or minoring in music. It is conducted in a piano lab setting which allows both individual and group participation. Fall semester only.

MUSI 1103 Introduction to Keyboard II 1 hr.

This course in early intermediate piano is designed as an elective for the student not majoring or minoring in music. It is conducted in a piano lab setting which allows both individual and group participation. Spring semester only. PR: MUSI 1102.

MUSI 1104 Functional Piano I 1 hr.

This course is required of all students majoring or minoring in music. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Pre-Music or Music Majors only. Fall semester only.

MUSI 1105 S-FSU Functional Piano II 1 hr.
This course is required of all students majoring or minoring in music. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Spring semester only. PR: MUSI 1104. Pre-Music or Music Majors only.

MUSI 1106 Guitar Class I-II 1 hr.
This course is designed for all students in beginning guitar. This will be conducted through group instruction, with each student being offered the opportunity for participation.

MUSI 1107 Piano 3307 Upper-level Piano 1-2 hrs.
One credit hour equals one half-hour private piano lesson per week. Two credit hours equal one one-hour private lesson per week. Students must consult with instructor for lesson placement during the first week of classes. Pre-Music or Music Majors only.

MUSI 1108 Beginning Theory (on demand) 2 hrs.
This course is designed for beginning music students who need additional background in theory.

MUSI 1109 Theory, Comprehensive 4 hrs.
This course is organized in five interacting streams of study to develop the skills necessary for the perception and understanding of music. These concentrations comprise formal and harmonic analysis, composition, ear training, keyboard harmony and singing. This course surveys the compositional techniques of the eighteenth and nineteenth centuries. A weekly lab is required. Fall semester only.

MUSI 1110 Theory, Comprehensive 4 hrs.
A continuation of MUSI 1109, with emphasis in compositional study involving modulation and musical perception with and without score. Five minute laboratory. Spring semester only. PR: MUSI 1109.

MUSI 1111 Introduction to Music Technology 3 hrs.
This course is designed for current music majors to give a basic laboratory-style overview of music technology and computer-aided instruction that can be used in the public school classroom. It is conducted in a lecture/laboratory workshop setting so that students can gain the maximum exposure to music technology in a practical setting. Topics of discussion include: The need for music technology in the classroom, Software programs for elementary general music, Programs for secondary choral music classrooms, Programs for secondary instrumental music classrooms, Miscellaneous Music Education software programs, Music Administration software, and recording technology. Required for all music education majors. Elective for music minors with permission of instructor. Spring Semester. Pre-Music or Music Majors only.

MUSI 1112 Piano Ensemble 1 hr.
Open to students with some piano experience, this course is designed to provide students an opportunity to play in a small ensemble setting. Students will experience a wide variety of styles of literature including arrangements of historically well-known and contemporary orchestral and vocal pieces for keyboard ensemble. Ensemble meets on a regular rehearsal schedule under faculty direction. Instructor Approval Required.

MUSI 1117 Rhythmic Reading 1 hr.
This course is designed for all students to improve reading rhythms in music. Spring semester.

MUSI 1120 S-FSU Music Appreciation 3 hrs.
An introduction to Western music, the music of other cultures and styles of popular music. Students are encouraged to develop their own perspectives, talents, listening/critical skills, and appreciation for the musical interests of others. Sound and video recordings of music will play an integral part in the class.

MUSI 1139 S-FSU Voice Class (first semester) 1 hr.
A study of the fundamentals of voice production: breathing, resonance, articulation, and style. Fall semester only.

MUSI 1141 Voice I-IV; 3341 Voice I-IV (last 4 semesters) 1-2 hrs.
Open to students who have sufficient musical background and vocal quality to merit individual instruction. The principles of proper vocal production are stressed, with later emphasis upon solo repertoire in English, Italian, German, and French. Section 1 - Music Majors, Section 2 - Open, Section 3 - Theatre Majors. PR: Permission of Instructor.

MUSI 1167 S-FSU Collegiate Singers 1 hr.
A large mixed chorus open to all students. The Collegiates perform literature from the Renaissance to modern and popular styles. Activities include one or two performances per semester and a spring tour.

MUSI 1168 S-FSU Marching Band 2 hrs.
Open to students who play a band instrument or have the necessary skills to participate in one of the auxiliary units such as flags, rifles, or twirlers. The Marching Band performs at all home football games during the fall semester and at various marching band activities such as parades and festivals. Fall semester only.

MUSI 1169 S-FSU Wind Ensemble 1 hr.
The Wind Ensemble is a group of wind and percussion students performing the highest quality literature for the wind band medium in order to develop individual aesthetic sensitivity and awareness. Emphasis is on the development of individual and ensemble musicianship and performance skills through the study of diverse and fine literature for wind instruments. Wind Ensemble is a one-credit course and performs two concerts a semester. Open to all students. Spring semester only.

MUSI 1172 S-FSU University-Community Symphony Orchestra 1 hr.
Open to all students and members of the community who can play an appropriate orchestral instrument, space permitting. This course is designed to present the study and performance of orchestral literature appropriate to the ability of its members. Admission is by audition at the discretion of the director.

MUSI 1175 Guitar I-IV; 3375 Guitar I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1176 Guitar Ensemble 1 hr.
This course is open to guitarists who have an interest in performing a variety of ensemble literature with a primary emphasis on classical music from the Renaissance through the 20th century. The ensemble's repertoire may also include popular, blues & jazz styles. Minimum requirements for this class include: permanent access to a classic guitar, ability to read staff notation in first position including dotted rhythms and availability to perform one public performance each semester. This ensemble meets on a regular rehearsal schedule under faculty direction. Instructor Approval Required.

MUSI 1177 Percussion I-IV; 3377 Percussion I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1179 Saxophone I-IV; 3379 Saxophone I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1181 Flute I-IV; 3381 Flute I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1183 Clarinet I-IV; 3383 Clarinet I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1185 Oboe I-IV; 3385 Oboe I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1187 Bassoon I-IV; 3387 Bassoon I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1189 Trumpet or Coronet I-IV; 3389 Trumpet or Coronet I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1191 Baritone Horn I-IV; 3391 Baritone Horn I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1193 French Horn I-IV; 3393 French Horn I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1195 Trombone I-IV; 3395 Trombone I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1197 Tuba I-IV; 3397 Tuba I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 1198 Organ I-IV; 3398 Organ I-IV (last 4 semesters) 1-2 hrs.
The program of study will be fitted to the individual needs of the subject. Pre-Music or Music Majors only.

MUSI 1199 Special Topics in Music 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

MUSI 2200 Violin I-IV; 3300 Violin I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 2201 Viola I-IV; 3301 Viola I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 2202 Cello I-IV; 3302 Cello I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 2203 Bass Violin I-IV; 4403 Bass Violin I-IV (last 4 semesters) 1-2 hrs.
Pre-Music or Music Majors only.

MUSI 2204 Functional Piano III 1 hr.
This course is required of all students majoring or minoring in music. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Fall semester only. PR: MUSI 1105.

MUSI 2205 Functional Piano IV 1 hr.
This course is required of all students majoring or minoring in music. Successful completion is required to pass the piano proficiency requirement for music education and the music minor. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Spring semester only. PR: MUSI 2204.

MUSI 2206 Music Appreciation for Majors 3 hrs.
A survey of the history and literature of music, designed for the music major and minor. The study of the various styles and forms of western art music, world music, and popular music will include regular use of sound and video recordings. The purpose of the course is the development of a greater depth of understanding and appreciation of music. Spring semester only. Pre-Music or Music Majors only.

MUSI 2209 Theory, Comprehensive 4 hrs.
Continuation of MUSI 1110, covering theoretical principles of the baroque and classical periods. Emphasis on contrapuntal forms and compositions of large formal structures. A weekly lab is required. PR: MUSI 1110. Fall semester only.

MUSI 2210 Theory, Comprehensive 4 hrs.
Continuation of MUSI 2209, developing the skills necessary for the perception and understanding of music. Features theoretical principles of the romantic period and the twentieth century. Five minutes' laboratory each week. PR: MUSI 2209. Spring semester only.

MUSI 2211 String Class I-II 1 hr.
This course is open to all students with sufficient background in music. A working knowledge of string instruments is attained through class instruction.

MUSI 2213 Brass Class I-II 1 hr.
This course is open to all students with sufficient background in music. A working knowledge of brass instruments is attained through class instruction. Fall semester only.

MUSI 2215 Woodwind Class I-II 1 hr.
This course is open to all students with sufficient background in music. A working knowledge of woodwind instruments is attained through class instruction. Spring semester only.

MUSI 2217 Percussion Class 1 hr.
Open to all students with sufficient background in music. A working knowledge of percussion instruments is attained through class instruction. Spring semester only.

MUSI 2219 Guitar Class for Music Majors 1 hr.
This course is an introduction to skills required for playing and teaching the guitar and other fretted instruments. Topics include fundamentals of technique, chord accompaniment, notation systems, and evaluation of teaching materials. This course is required for all music education majors.

MUSI 2230 Music in the Elementary Classroom 3 hrs.
This course investigates the pertinent fundamentals of music which can be incorporated by the non-music teacher. The goal is to present pedagogical techniques that develop singing, listening, rhythm, movement, and musical skills. The course will ultimately equip future elementary teachers with the skills to apply a variety of musical techniques in the classroom. Required for all Elementary Education majors.

MUSI 2245 Fundamentals of Conducting 2 hrs.
This course is designed to acquaint the student with standard conducting techniques, including a working knowledge of all standard beat patterns, the active gestures including legato, staccato and tenuto gestures as well as gestures of syncopation, the passive gestures, the analysis of various types of fermata and a thorough understanding of transposition. PR: MUSI 1109. Spring semester only.

MUSI 2247 S-FSU Jazz Ensemble 1 hr.
Open to saxophonists, trombonists, trumpeters, percussionists, guitarists, bassists and pianists regardless of academic major. The ensemble involves study, rehearsal, and performance of selected literature of all styles and more specifically explores a variety of big-band, jazz, jazz-rock, Latin, funk and other styles of jazz music. The jazz ensemble works with a variety of soloists from vocalists to instrumentalists. Jazz combos may be selected from the Jazz Ensemble membership. The ensemble performs a minimum of two concerts per year. Admission is by audition at the discretion of the director.

MUSI 2249 Advanced Woodwind Ensemble 1 hr.

Open to advanced woodwind students. Includes various Woodwind ensembles. Audition or admission at the discretion of the director.

MUSI 2251 Instrument Repair and Maintenance 2 hrs.

A survey of the simple instrument repair problems that are commonly encountered in a school music program. Practical repair experiences are included where appropriate. Offered on demand.

MUSI 2275 Advanced Brass Ensemble 1 hr.

Open to advanced instrumental students, this course is designed to give students an opportunity to participate in small ensembles. Groups meet on a regular weekly rehearsal schedule under faculty direction. Audition or admission at the discretion of the director.

MUSI 2277 S-FSU Chamber Choir 1 hr.

Open to advanced vocal students. Designed to give students experience in small ensemble participation. Groups meet on a regular rehearsal schedule under faculty direction. Audition at beginning of each semester.

MUSI 2279 Advanced Percussion Ensemble 1 hr.

Open to advanced percussion students and students with percussion experience. Designed to give students experience in small ensemble participation: Groups meet on a regular rehearsal schedule under faculty direction. Audition or admission at the discretion of the director.

MUSI 3309 Orchestration 2 hrs.

A survey of the technical abilities and limitations of the instruments of the orchestra and band with an emphasis on the practical fundamentals of score preparation.

MUSI 3310 Counterpoint (on demand) 2 hrs.

A study of the style and technique involved in the writing of sixteenth century polyphonic music. PR: MUSI 2210.

MUSI 3311 Form and Analysis (on demand) 2 hrs.

A study of form and the analysis of music, as found in the literature from the seventeenth to the twentieth centuries. PR: MUSI 2209.

MUSI 3312 Composition (on demand) 2 hrs.

This course is designed to teach, through the study of various types of music, a basic and accepted approach to creative composition. PR: MUSI 2209.

MUSI 3313 Music in Western Civilization to 1750 3 hrs.

An in-depth study of music history and literature from antiquity through the Baroque period. Pre-Music or Music Majors only.

MUSI 3314 Music in Western Civilization since 1750 3 hrs.

An in-depth study of music history and literature from the Classical period to the present. Pre-Music or Music Majors only.

MUSI 3320 Techniques of Keyboard Accompanying 1 hr.

A course designed to acquaint music majors with the techniques involved in playing keyboard accompaniments for performing groups, soloists and chamber music. Students will have regularly scheduled laboratory experiences in playing accompaniments for vocal and instrumental soloists and ensembles. Sight-reading, transposition, and various technical exercises will also be included. Recommended for piano majors. Offered on demand.

MUSI 3328 Elementary Music Methods and Materials for Majors, K-6 2 hrs.

An in-depth introduction to various teaching methods and materials that can be used by the elementary music teacher. Methods introduced will include Dalcroze, Gordon, Kodaly and Orff. Materials will be derived from numerous sources and will include music from many countries and cultures. Students will practice and demonstrate basic skills in voice, recorder, autoharp, and Orff instruments, and will practice writing and teaching lesson plans at the K-6 grade level. PR: MUSI 1110, 1139 or 1141. Fall semester only.

MUSI 3347 Advanced Conducting 2 hrs.

This course is a continuation of the techniques studied in MUSI 2245, with an emphasis on refinement of the manual technique as well as basic analytical and marking techniques required for score preparation. Fall semester only. PR: MUSI 2245.

MUSI 4425 Marching Band Techniques 2 hrs.

This course is designed to explore the various components needed to direct a successful marching band program. Topics will include philosophies, administration, basic marching techniques, show design, accurate charting, music selection, auxiliary units, uniforms and rehearsal techniques. Fall semester only.

MUSI 4429 Instrumental Methods, Materials and Administration 2 hrs.

Students in this course will learn advanced and practical applications of instrumental conducting techniques, methods, administration and materials used in teaching instrumental music in the secondary schools. Pre-Music or Music Majors only.

MUSI 4430 Choral Methods, Materials and Administration 2 hrs.

Advanced and practical application of choral conducting techniques, methods, administration, materials used in teaching choral music in the secondary schools. Pre-Music or Music Majors only.

MUSI 4431 Methods and Materials in Teaching Music 3 hrs.

Writing Intensive

Techniques, methods and materials used in teaching and administering general music classes and high school music classes. Pre-Music or Music Majors only. Fall semester. PR: ENGL 1108, MUSI 3328, 4429 and 4430.

MUSI 4432 Choral Workshop (on demand) 2 hrs.

This course is designed to upgrade choral instructors' teaching techniques and administration. Includes experiences in conducting choral groups, interpretation, participating in choral rehearsals and performances and the study of problems related to choral teaching and administration.

MUSI 4433 Instrumental Workshop (on demand) 2 hrs.

Offered to help students improve their instrumental teaching techniques and administration. Includes experiences in conducting instrumental groups, interpretation, participating in instrumental rehearsals and performances and the study of problems related to instrumental teaching and administration.

MUSI 4434 Composition Workshop (on demand) 2 hrs.

Study of the composition of choral and instrumental works. Students will hear works performed by live groups.

MUSI 4435 Music Production Workshop 1-3 hrs.

A laboratory experience in music theater. The course culminates in a public presentation of opera or musical comedy. PR: Instructor Approval Required.

MUSI 4437 Area Studies in Music Literature I 1-3 hrs.

Concentrated study of selected areas of music, to be determined by the instructor. Instructor Approval Required.

MUSI 4440 Senior Recital 1 hr.

See Department of Music Handbook. All music majors are required to present a senior recital or its equivalent before the faculty jury or public.

MUSI 4442 & 4443 Theory Workshop (on demand) 2-3 hrs.

Identification of suitable materials for the teaching of theory in the high schools, as well as methodology and pedagogical procedures for theory instruction. May be repeated for additional credit, with a maximum of six hours.

MUSI 4444 Elementary Workshop (on demand) 1-2 hrs.

Identification of suitable materials for the teaching of elementary music, as well as new and innovative methodology. May be repeated for additional credit, with a maximum of four hours. PR: MUSI 3328. Instructor Approval Required. Offered on demand.

MUSI 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor Approval Required.

NATIONAL SECURITY AND INTELLIGENCE

NSIS 3301 Intelligence Research 3 hrs.

This course will integrate lecture and applications designed to develop basic skills in writing, research, analytical and presentations skills. The course will include lectures, discussions, and computer research design projects.

NSIS 3302 National Security and Intelligence Field Experience Practicum 1-12 hrs.

A supervised professional study conducted in the National Security and Intelligence field setting. Instructor Approval Required.

NSIS 4450 National Security and Intelligence Senior Seminar / Project 3 hrs.

A capstone course which requires students to explore in depth case studies related to national security and intelligence in the areas of national security, intelligence, law enforcement, industrial security, and cyber (information technology) security. Students will be required to collect information, assess vulnerabilities, develop sources, analyze data, write reports, maintain case files, prepare and give oral briefings, and defend recommended courses of action. Students will be supervised in the performance of a directed research project in conjunction with field work at a sponsoring agency. The objective will be an individual project which leads to a publishable intelligence product, enhances intelligence skills, or provides a unique service to a project mentor or organization. Student performance will be evaluated by a committee of faculty members. Input regarding the student's performance will be invited and encouraged from the sponsoring agency. Senior standing or Instructor Approval Required.

NSIS 4499 Special Topics in National Security and Intelligence 1-12 hrs.

Studies in special selected topics to be determined by the instructor and approved by the program advisor. Individual students with specific interests work on a tutorial basis with an appropriate professor.

NSIS 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for students to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

NURSING

NURS 1100 Intro to Therapeutic Communication and Assessment 1 hr.

This course is designed to introduce the beginning student to the fundamentals of therapeutic communication and health assessment. Technical skills necessary to patient assessment will be covered. Factors, such as developmental levels, sociocultural differences, mental and emotional status, which influence the techniques of communication and health assessment, will be explored. Emphasis will be placed on integrating appropriate communication techniques with assessment skills in various patient scenarios. (.5 hour class, 1.5 hours lab per week). PR: admission to the ASN program. CR: NURS 1101 and BIOL 1170. Fall semester only.

NURS 1101 Fundamentals of Nursing 6 hrs.

This course is designed to introduce the beginning student to the nursing process, its application in clinical practice, and the role of the nurse as care provider. The lecture portion presents those concepts essential to the practice of nursing. The laboratory and simulated experiences involve the implementation of nursing, assessment, and communication skills related to basic needs and life processes of individual clients (4 hours class, 6 hours lab per week.) PR: Admission to the ASN program. CR: NURS 1100 and FOSM 1110. Fall semester only.

NURS 1102 Transition for Licensed Practical Nurses 1 hr.

This course introduces the concepts and processes necessary to nursing practice. A major focus is on the nurse's role and the transition from licensed practical nurse to registered nurse. PR: Admission to the ASN Program at Fairmont State University, and status as a Licensed Practical Nurse or a graduate of a practical nursing program.

NURS 1108 Nursing Care of Adults I 6 hrs.

This course is designed to assist students to gain knowledge of common health problems of adults and to use the nursing process, and the nursing roles of care provider, communicator and teacher to assist individuals to promote and attain health. Emphasis is placed on the following life processes: protective function-perioperative and oncology; fluid and electrolytes, and metabolism- diabetes and endocrine; elimination- GI; development- reproductive. The other life processes are considered as they apply throughout the course. Selected skills and simulated laboratory and primary nursing experiences will enable the student to acquire the knowledge and skills to implement effective nursing care and to meet client needs. The student is expected to integrate and use knowledge and skills acquired in prerequisite courses (4 hours class, 6 hours lab per week). PR: NURS 1100 and BIOL 1170. CR: ALLH 1110 and NURS 1109.

NURS 1109 Maternal & Newborn Nursing 3 hrs.

This course is designed to introduce the student to the physiological, psychological, and social changes related to the child-bearing process as it affects both the mother and the family unit. Emphasis is placed on the normal processes. The student is expected to incorporate knowledge and skills that have been acquired in previous courses. The student will participate in clinical and simulated experiences to enhance his/her knowledge and skills in maternal and newborn health nursing and to practice the nursing roles of care provider, teacher and communicator. Antepartal and postpartal experiences include visits to various local clinics and offices providing women's health care and the opportunity to observe a wide range of providers, including nurse midwives, physicians, and nurse practitioners. Clinical experiences will also be in the maternity departments of several local hospitals where students will be able to observe and care for neonates, work with the new family unit, and care for women during the labor and delivery process. (2 hours class, 3 hours lab per week). PR: NURS 1101 and FOSM 1110 CR: ALLH 1110 and NURS 1108. Spring semester only.

NURS 1199 Special Topics in Nursing 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's

Dean. Credits earned will be applicable as free electives in degree and certificate programs. Offered as needed.

NURS 2203 Mental Health Nursing 3 hrs.

This course is a study of the concepts of mental health and common problems of mental illness as they affect the individual and family. Selected laboratory and simulated experiences enable the student to develop the knowledge and skills to use the nursing process to meet the needs of hospitalized clients having a functional disorder. This course stresses self-awareness, improving therapeutic communication skills, and establishing interpersonal relationships. Topics also include maladaptive behavioral patterns, current therapies, community mental health resources, and the role of nurse as communicator, teacher, and care provider. The life processes of protective function, psychosocial environment, and developmental concepts are addressed as they apply throughout the course. (2 hours class, 3 hours lab per wk). PR: NURS 1109 and PSYC 1101. CR: NURS 2208 and ALLH 2210.

NURS 2208 Nursing Care of Adults II 7 hrs.

This course is designed to assist students to gain knowledge of common health problems of adults and to use the nursing process in assisting individuals and families to promote and attain health. Emphasis is placed on the life process of: oxygenation- respiratory, vascular/hematologic, and cardiac; sensorimotor- musculoskeletal, neurological/eye and ear; elimination-renal. The other life processes are considered as they apply throughout the course. Selected laboratory experiences in caring for clients in the hospital, community agencies, and simulated experiences will enable the student to acquire the knowledge and skills, to implement effective client care and to meet the client's needs. The nursing role of manager of care is developed with the involvement of the student in team nursing. Leadership, delegation, and collaboration are explored by the student while assuming roles of team leader, medication nurse, and patient educator (5 hours class, 6 hours lab per wk). PR: NURS 1108 and ALLH 1110. CR: NURS 2203 and ALLH 2110. Fall semester only.

NURS 2209 Nursing of Children 4 hrs.

This course is designed to help the student gain a better awareness of the sequence of normal growth and development during the life processes of childhood. Students will examine health problems, disorders and illnesses common to children in each stage of development, from infancy through adolescence. A family-centered approach to child care, utilizing the nursing process, is emphasized. Special consideration is given to preventive and teaching aspects of concern to the patient and family. Selected clinical and simulated experiences will include care of children in healthcare and community agencies. (3 hours class, 3 hours lab per week.) Spring semester only.

NURS 2211 Contemporary Nursing & Management 3 hrs.

This is a capstone course designed to facilitate the transition from the role of student to the role of Registered Professional Nurse. This course addresses trends, issues, and management of health care. The student is expected to select a preceptor/role model to assist with the role transition as member of a profession through precepted clinical experience. This clinical experience is tailored to the student's interest and professional goals with emphasis on socialization into the nursing profession, management of multiple clients and application of clinical judgment skills. (2 hours class and 3 hours of clinical preceptorship per week). PR: NURS 2203 and NURS 2208. CR: ALLH 2210 and NURS 2209. Spring semester only.

NURS 2212 Advanced Nursing Care 4 hrs.

This course is designed to assist students to gain knowledge of complex and critical health problems and to use the nursing process to identify nursing interventions to promote the health of the individual and their family. Emphasis is placed on critical health problems of the life processes of: protective function, oxygenation, sensorimotor, elimination, and reproduction. Other content to be included will be emergency and disaster nursing and care of the high risk pregnant client and neonate. Selected laboratory experiences in caring for clients in acute care facilities and simulated experiences will enable the student to acquire knowledge and skill related to the theory content and to the nursing roles of care provider, communicator, educator, member of a profession, and manager of care. (3 class hours, 3 lab hours per week). PR: NURS 2208 and ALLH 2110. CR: ALLH 2210 and NURS 2209. Spring semester only.

NURS 3320 Health Assessment 4 hrs.

This course is designed to help students develop skills as providers in health/physical assessment. It includes assessment techniques, how to assess clients of various racial and cultural groups and the assessment of clients across the life span. The nursing process and critical thinking skills are used to synthesize information to promote health potential. Faculty-supervised campus laboratory experience is employed to develop students' skills. (3 hours class, 2 hours lab per week). PR: Admission to the BSN Program or Instructor Approval Required. Fall semester only.

NURS 3330 Health Deviations 3 hrs.

This course covers pathophysiologic mechanisms and their effect upon health potential. With the help of case studies, students will apply theoretical knowledge to patient situations through utilization of the nursing process. (3 hours class per week). PR: Admission to the BSN Program or Instructor Approval Required. Spring semester only.

NURS 3350 Professional Nursing Concepts 3 hrs.

This course is designed to assist the registered nurse in exploring concepts and theories relevant to professional nursing. Areas explored include theories of nursing; beliefs, assumptions and values of the nurse-client relationship; socialization to the professional nursing role; health and health care delivery systems; and the nursing process. (3 hours class per week) PR: Admission to the BSN program and NURS 3320; NURS 3320 may be taken concurrently. Accelerated Program: Instructor Approval Required. Fall semester only.

NURS 3360 Ethical Decision Making in Healthcare 3 hrs.

This course focuses on developing critical thinking skills and applying them to complex nursing situations. It will include ethics and their application to nursing practice. (3 hours class per week) PR: NURS 3330 and NURS 3350; NURS 3330 may be taken concurrently. Accelerated Program: Instructor Approval Required. Spring semester only.

NURS 3399 Special Topics in Nursing 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives.

NURS 4400 Research in Nursing Practice 3 hrs.

This course analyzes the scientific process, with emphasis on its application to nursing. Students will develop an understanding of the logical process of research, reasoning and the scientific inquiry necessary to carry out studies of nursing interest (3 class hours per week). PR: NURS 3360 and PSYC 2240. PSYC 2240 may be taken concurrently. Accelerated Program: Instructor Approval Required. Fall Semester only.

NURS 4410 Community Health Nursing 6 hrs.

This course focuses on the theories and principles underlying current community health nursing practices. Emphasis is placed on the client and family, including appropriate nursing intervention for individuals, families and groups in outpatient settings and in the home. Topics include application of the nursing process to community-based intervention in health maintenance, health promotion and restoration, and utilization of community resources (3 hours class, 6 hours lab per week).PR: NURS 3360 and NURS 4400. NURS 4400 may be taken concurrently. Accelerated Program: Instructor Approval Required. Fall semester only.

NURS 4430 Leadership and Management in Nursing Practice 3 hrs.

This course explores theories of leadership and management as they relate to nursing and health potential. Emphasis is given to strategies appropriate for the individual, family, groups and the community in the practice setting. The course also includes an examination of motivational theories, role development, group processes, change theory and communication skills, as well as authority and accountability (3 hours class per week). PR: MGMT 2209 or MGMT 3308, and NURS 4400. NURS 4400 may be taken concurrently. Accelerated Program: Instructor Approval Required. Spring semester only.

NURS 4440 Nursing Practicum 5 hrs.
Writing Intensive

This capstone course assists students in the integration of theory and practice as they approach completion of the nursing major. Students choose a clinical area to carry out nursing activities that promote health potential. Goals include development of autonomy in nursing practice, skill in clinical decision making and judgment and professional role development (2 hour class, 6 hours lab per week). PR: NURS 4410 and NURS 4430 or concurrent enrollment in NURS 4430. Accelerated Program: Instructor Approval Required. Spring semester only.

NURS 4441 School Nurse Practicum 4 hrs.

The School Nurse Practicum is designed to help Registered Nurses meet West Virginia Board of Education standards for practicing school nurses. This specialization prepares nurses for their role in health restoration, maintenance and promotion and as an advocate for children and families. (One hour class, 6 hours lab per week).

NURS 4499 Special Topics in Nursing 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's dean. Credits earned will be applicable as free electives.

NURS 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

OFFICE MANAGEMENT & TECHNOLOGY

OFAD 1100 S-C&TC Microcomputer Keyboarding 3 hrs.

This course is designed to teach the touch control method of the alpha/numeric keyboard for the typewriter and microcomputer, as well as the ten-key numeric keypad. This course includes development of speed and control, vertical and horizontal centering, simple tabulation, memoranda, letters, reports, tables and interpretation of proofreader's marks. Open to all students.

OFAD 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

OFAD 1199 S-C&TC Special Topics in Office Management & Technology 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

OFAD 2232 S-C&TC Word Processing Applications 3 hrs.

This course will provide advanced word processing applications on a microcomputer with emphasis on formulating standard documents and printing using various printers. It provides an extensive hands-on approach to word processing functions such as: merging documents; creating styles, outlines, tables, and tables of contents; collaborating with others; customizing your work with features such a macros and AutoText; creating web pages; creating on-screen forms, and managing long documents. Completion of this course will provide students with the skills needed to attain Microsoft Office Specialist Certification in Word. PR: INFO 1100

OFAD 2233 S-C&TC Database Applications 3 hrs.

This course is designed to provide a foundation in the latest methods and systems of retrieving information and in planning, organizing and controlling integrated records retention systems in the electronic office. Simulated activities are designed to give students practice in microcomputer storage and retrieval, utilizing appropriate software. Completion of this course will provide students with the skills needed to attain Microsoft Office Specialist Certification in Access. May be used as a business elective.

OFAD 2235 S-C&TC Medical Office Procedures 3 hrs.

This course covers the development of office administration skills important to the effective management of a medical office. The course emphasizes a customer-service approach to the provision of health care. Entry-level administrative and general competency areas outlined in the Medical Assistant Role Delineation Chart of the AAMA are addressed. Topics include today's medical environment, patient relations, information processing and records management in the medical office, and medical office financial management. Students are prepared for work as an administrative medical assistant in a private physician's office, single- or multi-specialty clinic, or hospital setting. PR: BIOL 1170, HCLA 1100.

OFAD 2236 S-C&TC Medical Billing and Coding 3 hrs.

This course will cover the knowledge and skills necessary for successful medical insurance processing and coding guidelines. Medical insurance billing, including billing and collection procedures, insurance claim filing, procedural and diagnostic coding, and collection law will be covered. An emphasis will be placed on accuracy when completing these forms. Both electronic and paper claims will be reviewed. Procedural and diagnostic coding references will be used. PR: OFAD 2235.

OFAD 2237 S-C&TC Medical Software Applications 3 hrs.

Students develop skill in entering, editing, analyzing, and retrieving patients' data using specialized, industry-standard medical software. The course includes hands-on use of the software for insurance billing, coding of diseases, medical records, scheduling, workflow management, eligibility checking, and revenue management. The skills learned using this software are appropriate for medical and dental offices, medical billing services, and other healthcare settings.

This course will also provide students with an introduction to medical transcription. Students practice transcribing recorded dictation of medical documents and reports using transcription machines and word processing software. The principles of English grammar, punctuation, spelling, and medical terminology are applied to the transcribed documents. PR: OFAD 2232 and OFAD 2235.

OFAD 2240 S-C&TC Administrative Office Procedures 3 hrs.

This course is an integrated approach to the required procedures in a business establishment. The course provides information on business principles and promotes a high standard of office ethics. Topics include telecommunications, mail processing, records management, conference setting, travel arrangements and office machine use including calculators, transcribers and reprographic equipment. PR: OFAD 2232.

OFAD 2241 S-C&TC Workplace Productivity 3 hrs.

This course is designed to allow the student to synthesize the concepts and principles offered in the various disciplines of study within the Department of Business Technology. It will focus on the major office applications found in suite software/word processing, electronic presentations, spreadsheets and databases. Students will participate in exercises that use these applications to show the real-world significance of the software. In addition to computer applications, students will develop the critical thinking and decision-making skills which are expected of today's office support personnel. PR: OFAD 2240, INFO 2220.

OFAD 2245 S-C&TC Microsoft Certification Preparation 1-6 hrs.

This course provides review and preparation for Microsoft Certified Application Specialist (Office 2007 and Windows Vista) exams. One-hour credit will be awarded for preparation and attempt of one exam. A maximum of three hours of credit may be awarded in a semester. Each one hour of credit will require students to attend 15 hours of class time. Grading will be credit/no credit. The exams include: Word 2007, Excel 2007, Access 2007, PowerPoint 2007, Outlook 2007, and Windows Vista for the Business Worker.

Course content will include concept review for the exam being attempted, test-taking guidance and tips, and simulated exam preparation. Students are expected to possess skills in the Microsoft Office or Windows application for which they are preparing; this class does not teach the principles of the software. Students are required to attempt the exam to receive credit. Exams may be attempted at the Fairmont State Center for Workforce Education or any approved testing center. Certification may provide articulated credit for OFAD 2232, 2233, or INFO 2220. Instructor approval required.

OFAD 2250 S-C&TC Desktop Publishing 3 hrs.

A beginning course which provides a foundation in the basic principles of page layout and design, as well as typographical conventions, coupled with hands-on use of computer hardware and applications. Students will learn desktop publishing skills by completing several practical projects.

OFAD 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

OFAD 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

OFAD 2995 S-C&TC Professional Internship and Portfolio Development 3 hrs.

The purpose of this course is to allow students to bring business topics into focus by using all their collected business knowledge. This will be accomplished through completion of a portfolio that will demonstrate to prospective employers the student's career preparation. The student will also be required to complete a professional internship; a total of 140 hours of supervised work will be required. The importance of career and goal planning will be emphasized. PR: Instructor Approval Required. Capstone course.

PARALEGAL STUDIES

PARA 1101 Introduction to Paralegal Studies 3 hrs.

This course is an introduction to the American legal system and an overview of legal topics including Constitutional, Criminal, Domestic Relations, Property, and Tort Law. The course will also provide the students with an understanding of the various roles and career options of the paralegal professional, legal ethics, and interviewing and investigation skills.

PARA 1102 General Law I 3 hrs.

This course is an introduction to the federal and state legal systems. Information on the legislation and enforcement of laws as well as an introduction to legal reasoning and legal terminology will be covered. An overview of civil law, procedures and jurisdiction will be included.

PARA 1103 General Law II 3 hrs.

This course is a continuation of General Law I and will provide a general overview on substantive areas of law including: contracts, property law, forms of business, estates and the probate process, family law, criminal law and procedure. PR: PARA 1102.

PARA 1189 Guided Experience I VAR 1-4 hrs.

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

PARA 1199 Special Topics in Paralegal Studies 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

PARA 2201 Legal Research and Writing I 3 hrs.

This course is an introduction to legal research, analysis, and writing methods. Students will learn how to brief a case, analyze case law, statutes, and/or regulations, research legal issues using a law library, prepare legal correspondence documents and pleadings. PR: ENGL 1108.

PARA 2202 Legal Research and Writing II 3 hrs.

This is an intermediate course in which students will perform legal research, analysis, and writing methods. Students will analyze case law, statutes, and/or regulations, research legal issues using Lexis-Nexis and other electronic resources, and prepare an appellate brief. PR: PARA 2201.

PARA 2203 Computer Applications for Legal Professionals 3 hrs.

Overview of software applications used in a law office including calendar, docket control, litigation support, billing, timekeeping, pleadings preparation, legal research, and other applications. PR: INFO 1100.

PARA 2204 Civil Litigation and Procedure 3 hrs.

This course provides an overview of the civil litigation process from initial interview through trial including preparation of pleadings and trial documents. The course also includes the study of the rules of civil procedure. PR: PARA 1102.

PARA 2210 Domestic Relations Law 3 hrs.

This course provides students with an understanding of legal issues regarding the family including marriage, rights and responsibilities of spouses, and reproductive rights; annulment, separate maintenance and divorce; spousal support, child support, and child custody; and adoption, paternity, abuse & neglect of children and domestic violence. The course also requires students to prepare pleadings associated with the law of domestic relations. PR: PARA 1103

PARA 2211 Administrative Advocacy 3 hrs.

This course provides students with knowledge of how to prepare and present a case to state and federal governmental agencies that allow non-lawyer advocacy. Techniques for legal interviewing will be included.

PARA 2212 Torts 3 hrs.

This course provides students with a basic understanding of Intentional Torts including harms to the person and to property interests, Negligence, Strict Liability, Products Liability, other torts and defenses. PR: PARA 1103

PARA 2213 Property and Probate 3 hrs.

This course provides students with an overview of the process and documents involved in the transfer of assets. Topics include trusts, wills and gifts, administration of decedent's estates, probate procedure, federal and state death and income taxes, and fiduciary accounting and responsibilities. PR: PARA 1103.

PARA 2214 Bankruptcy Law 3 hrs.

This course provides an overview of the substantive law of bankruptcy including the procedure for filing bankruptcy. PR: PARA 1103.

PARA 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor Approval Required.

PARA 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

PARA 2995 Paralegal Professional Practicum 3 hrs.

This cooperative practicum allows students the opportunity to apply classroom learning to a work environment where they will acquire essential and practical paralegal skills under the supervision of a legal professional. The practicum requires a minimum of 135 hours of supervised work. PR: Permission. Capstone course.

PHILOSOPHY

PHIL 1199 Special Topics in Philosophy 1-12 hrs.

The topic to be studied will be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

PHIL 2200 S-FSU Introduction to Philosophy 3 hrs.

A survey of the principal problems and theoretical responses which have come from man's attempts to organize his experience and direct his existence. The ideas of individual thinkers (Socrates, Plato, St. Augustine, Bruno, Locke, Sartre, Heidegger, et al.) and schools of interpretation (rationalist, empiricist, pragmatic) are highlighted.

PHIL 2250 S-FSU Great Philosophers 3 hrs.

A survey of the historical development of western philosophical thought from ancient Greece to the twentieth century. This course is a continuation of PHIL 2200, covering the issues and philosophers in more analytical detail. The focus is on developing trends of thought as exhibited by the methods of the great philosophers, and the corresponding challenges presented by their critics.

PHIL 3325 Ethics 3 hrs.

A study and evaluation of classical and contemporary theories of right and wrong, good and bad and inhuman conduct, with emphasis on the implications of these theories for resolving contemporary moral problems. The corrosion of dogmatic ethical positions through skepticism and relativism is examined, and helpful responses are introduced. Students will discuss problems in medical ethics as well.

PHIL 3350 Comparative Religion 3 hrs.

Description and analysis of the philosophical thought underlying the major religions of the world.

PHIL 4475 Philosophy of History 3 hrs.

A survey of the philosophical positions, both speculative and analytical, that have been advanced to evaluate humanity's historical understanding and experience. Credit in either philosophy or European history.

PHIL 4400 Seminar 3 hrs.

Research and reading for advanced students. Participants are required to write a paper on a philosophical issue of their interest.

PHIL 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

PHYSICAL EDUCATION

PHED 1100 S-FSU Fitness and Wellness 2 hrs.

This course is designed to provide an opportunity for students to make intelligent choices concerning lifelong wellness and to achieve optimum levels of fitness through regular exercise, proper nutrition, weight control and stress management.

PHED 1101 Basic Physiological Conditioning-Health 1 hr.

This course covers the analysis, application and integration of basic physical conditioning and health concepts. The course is offered in eight-week sessions.

PHED 1102 Weight Training/Lifting 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of weight training/lifting are studied. The course is offered in eight-week sessions.

PHED 1120 Basketball (Beginning) 1 hr.

An introduction to the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of basketball. This course is offered in eight-week sessions.

PHED 1121 Introductory Seminar in Human Movement 2 hrs.

General survey of instructional and non-educational professional career alternatives available within physical education. Students will discuss issues, trends, history, philosophy, and future career directions in physical education.

PHED 1126 Tennis (Beginning) 1 hr.

The student will be introduced to basic skills, rules, boundaries, game situations and team play.

PHED 1130 Flag Football 1 hr.

Addresses the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of flag football. This course is offered in eight-week sessions.

PHED 1140 Golf 1 hr.

This course focuses on the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of golf. This course is offered in eight-week sessions.

PHED 1144 Racquetball 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of racquetball are studied. This course is offered in eight-week sessions.

PHED 1162 Softball 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of softball are studied. This course is offered in eight-week sessions.

PHED 1199 Special Topics in Physical Education 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

PHED 2201 S-FSU Introduction to Sport Management 3 hrs.

This course introduces students to the sport industry, the wide range of career opportunities in sport and the economic impact of sport in America. This course includes both the theoretical and applied dynamics of sport management, and topical areas includes political management, operational management, marketing management, event management, staff management and risk management. Required course; CR: MGMT 2209, Principles of Management. Fall, Yearly

PHED 2210 S-FSU Sport Marketing & Promotions 3 hrs.

This course investigates the complex responsibilities of the sport marketing and promotions specialist that unfold through communication exchanges intended to persuade customers toward a favorable belief and/or action. This hands-on course focuses on the interdependent operations of advertising, publicity, sponsorship, atmospherics, incentives, personal contact, community relations, licensing and technology in the sport industry. Required course; PR: MKTG 2204, Principles of Marketing. Fall, Odd Years

PHED 2211 Anatomy and Physiology 4 hrs.

An introduction to the basic knowledge of the structure and functions of the human body and the changes that occur during physical activity and sport.

PHED 2216 Group Fitness Instruction/Programming 2 hrs.

This course is designed to provide theoretical knowledge and practical skills in preparation for group fitness instruction.

PHED 2218 Advanced Personal Training 3 hrs.

Designed to synthesize the knowledge acquired from an exercise science curriculum with practical application for successful job performance in the fitness industry.

PHED 2223 Evaluation of Instruction in Sport 2 hrs.

A study of the evaluative process pertinent to the instruction of sport activities. Further emphasis is placed on the formation of objectives, construction and selection of tests, computation of statistical scores and appraisal of total program effectiveness. Spring semester only.

PHED 2232 Basic Aquatics 2 hrs.

Introduction to the knowledge and skills necessary to become proficient and safe in or on the water.

PHED 2233 Advanced Aquatics-Lifeguarding 2 hrs.

Basic and advanced swimming strokes are examined, with an emphasis on achieving proficiency in lifeguarding techniques. Does not apply to Recreation minor. Successful completion of this course is required for Red Cross certification.

PHED 2234 Individual and Dual Sports I 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: golf, racquetball, handball, squash and bowling.

PHED 2235 Team Sports I 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: basketball, flag football, baseball and speedball.

PHED 2236 Team Sports II 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: volleyball, field hockey, softball and soccer.

PHED 2239 Individual and Dual Sports II 2 hrs.

The rules, boundaries, strategies, and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: track and field, tennis, table tennis and badminton.

PHED 2240 Outdoor Leisure Activities 2 hrs.

Safety, knowledge and skills specific to the area of outdoor leisure activities are analyzed and applied in the following sports: archery, horseshoes, hiking, backpacking, orienteering, camping and others.

PHED 2241 Gymnastics and Dance 2 hrs.

This course analyzes and applies safety, instructional strategies, and skill techniques characteristic of gymnastics and dance in basic tumbling, fundamental jazz and aerobic dance.

PHED 3312 Physiology of Exercise 3 hrs.

This course investigates the knowledge of basic physiological adaptations that accompany physical activity and sport. PR: PHED 2211.

PHED 3313 Biomechanics 3 hrs.

The study of humans in motion, including the structures that are responsible for motion and the forces that influence human motion. PR: PHED 2211. Fall only.

PHED 3316 Fitness Assessment and Exercise Physiology 3 hrs.

The study of methods of determining fitness levels, developing safe exercise programs and developing and administering group exercise/wellness programs. Emphasis is placed on evaluation techniques and exercise prescription. PR: PHED 2211, 3312.

PHED 3317 Clinical Applications of Exercise Physiology 3 hrs.

Study of exercise programs for improving the health-related physical fitness of specialized populations. Exposure to cardiac and pulmonary evaluation techniques for purposes of diagnosis and exercise prescription in symptomatic and asymptomatic populations.

PHED 3318 Sport Social Psychology 2 hrs.

Students explore topics related to the social and psychological aspects of physical activity and sport. PR: SOCY 1110, PSYC 1101.

PHED 3320 Lifespan Motor Development 3 hrs.

The course will study changes in motor behavior over the human lifespan and the processes which underlie these changes. Emphasis will be placed on current issues and research in motor development. PR: PHED 1121.

PHED 3323 Early Psychomotor Curriculum 3 hrs.

This course examines the analysis and application of instructional strategies, psychomotor skills and patterns characteristic to the elementary physical education curriculum in the following areas: movement education, fundamental and manipulative skills, rhythmic activities and sport lead-up games. Fall semester only.

PHED 3325 Psychomotor Analysis Lab 3 hrs.

Writing Intensive

An application and analysis of teaching models and evaluation techniques to a sport environment in order to facilitate affective, cognitive, social, and psychomotor learning outcomes. Practical teaching experience in the psychomotor domain is provided. PR: ENGL 1108, PHED 3323.

PHED 3326 Early Psychomotor Development 3 hrs.

An analysis of the growth, development, and maturation of cognitive, psychomotor, affective and social sport behaviors of children. Students will explore activities pertinent to early childhood experiences.

PHED 3327 FSU Sport in Society 3 hrs.

Writing Intensive

This course is designed to introduce students to the interrelationship between sport and society, the influence of sport upon the individual, and an understanding of individual cognitions, emotions, behaviors and economic dynamics that effect sport participants. Required course; PR: ENGL 1108, ECON 2200, Economics. Fall, Even Years

PHED 3342 Field Experience in Adapted Physical Education 2-4 hrs.

A field experience in working with institutions and organizations which provide services to the handicapped. Variable credit is dependent upon the nature and duration of the field experience. PR: PHED 3343.

PHED 3343 Adapted Physical Education Activities 2 hrs.

Instructional strategies in modifying physical skills to meet the needs of the disabled are analyzed and applied in an activity lab setting. Spring only.

PHED 3353 Field Experience in Sport Coaching 2-4 hrs.

Field experience will be provided to involve the student as an intern coach in either an intercollegiate or interscholastic sport program.

PHED 3354 Sports Officiating 2 hrs.

This course involves the technical and theoretical aspects of sport officiating. The first-semester course will emphasize men's regulations common to the sport; the second semester will emphasize women's regulations common to the sport.

PHED 3355 Scientific Foundations of Sport Coaching 4 hrs.

The student will examine basic human physiological adaptations that occur during participation in sport activities. Basic mechanical laws and principles and their application to the performance of sport activities will be studied.

PHED 3356 Administration and Coaching of Sport 3 hrs.

This course focuses on basic psychological, philosophical and technical knowledge and its relationship to the coaching of sport activities. Further emphasis will be placed on the principles and practices that are required in the planning, organization and administration of sport programs.

PHED 3357 Sport & the Law 2 hrs.

The course examines a variety of sport situations that help students appreciate the legal and ethical dilemmas facing those who participate in and manage the sport enterprise. Students will gain understanding of a wide range of legal principles applicable to the role of the sport manager. A major focus of this course is the review of judicial opinions that frequently arise in cases involving organized sport. Required course; PR: BUSN 3306, Business Law I. Spring, Odd Years

PHED 3358 Techniques of Sport Coaching 6 hrs.

A presentation of sport skill techniques in combination with the theoretical aspects of sport coaching. A field experience in sport coaching will be provided through an internship in two selected intercollegiate or interscholastic sports programs.

PHED 3365 Activities in Outdoor Education 1-3 hrs.

This course provides experience in outdoor education, including backpacking, canoe-camping, rock climbing and other activities. Each weekend will be spent at a different location to develop a variety of outdoor educational skills.

PHED 3366 Field Experience in Outdoor Education 1-3 hrs.

This course offers extended outdoor educational experiences, including Appalachian Trail, river canoe- camping trips, and others. Credit will vary according to the length of the experience. PR: PHED 3365.

PHED 3371 Principles of Athletic Training 3 hrs.

Students will learn basic competencies related to the controlling and managing of sport-related injuries, including presentations of prevention and treatment of these injuries. PR: PHED 2211, 3312.

PHED 3372 Field Experience in Athletic Training 2-4 hrs.

Experiences in athletic training procedures and techniques with college and secondary school athletic teams are provided. Variable credit is dependent upon the nature and duration of the internship. PR: PHED 3371.

PHED 3398 Sport Management Internship 1-12 hrs.

This course comprises a directed internship in a particular area of specialization. Students will complete the internship in cooperation with a community agency or business, clinic, or other appropriate organization. Direct observation and on-the-job experience, through active participation in ongoing programs, will enable students to broaden their scope beyond the classroom.

PHED 4201 Sport Finance 3 hrs.

Writing Intensive

This course applies fundamental accounting and finance concepts to real-world case studies in the sport industry. Students will investigate the present financial status of the sport industry, for-profit and not-for-profit budgeting, development and fund-raising principles, financing principles, creating alignment within organizations, entrepreneurship, and the effects of continuity and change. Required course; PR: ENGL 1108, FINC 2201, Introduction to Financial Management. Spring, Even Years

PHED 4400 Research Methodology 3 hrs.

Introductory course in the planning and implementation of research in the study of human performance. Students will consider the topics of variables and hypotheses, research designs, data collection, analysis and interpretation.

PHED 4410 Research Design Seminar 3 hrs.

Writing Intensive

Survey of research in the historical, administrative, performance, motor development, philosophical, psychological and sociological issues in the current literature in the study of human movement. The student will select and design a research project in one of the specific areas. PR: ENGL 1108, PHED 4400.

PHED 4420 Exercise Science I 3 hrs.

The purpose of this internship is to provide students with the opportunity to gain practical experience in the field of fitness/wellness. This culminating experience allows students to apply theoretical knowledge to a "real-life" situation under the supervision of professionals currently in the fitness/wellness field. PR: All pre-4400-level coursework.

PHED 4431 Methods and Materials in Teaching Health and Physical Education 3 hrs.

Curriculum, materials and techniques for teaching all grade levels of physical education and health are examined. Practical experience in the schools required. PR: PHED 3325.

PHED 4450 Advanced Sport 1 hr.

This course is opened only to students with sufficient background in the techniques and methods of an indicated sport. Credit is not to be awarded until the student has attained junior standing and can be received only once during a student's academic career. This course is for elective credit only and cannot be used to fulfill the requirements in any degree program.

PHED 4499 Special Topics in Sport Management 1-9 hrs.

This course involves advanced study, mentorship and/or advanced internship experiences in a specialized area of sport management. Elective Course. Instructor Approval Required.

PHED 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

PHYSICAL THERAPIST ASSISTANT

PHTA 1100 Introduction to Physical Therapy 2 hrs.

History of the physical therapy profession and survey of general physical therapy services. Legal and ethical requirements for the physical therapist assistant are introduced. The Americans with Disabilities Act and architectural barriers are studied. Majors only. Fall semester only.

PHTA 1101 Patient and Professional Relationship 2 hrs.

Recognition of the reactions of the health care worker, patient, and family to illness and disability is discussed. The influence of race, class, age, ethnic origin, and gender on the physical therapist assistant and patient relationship is explored. The stages of adjustment to disability and death and dying are described. Communication skills between PTA, patient, family, and other health care providers are developed. PR: PHTA 1100. Majors only. Spring semester only.

PHTA 1102 Introduction to Patient Care 3 hrs.

An introduction to basic patient care procedures such as positioning, transferring, ambulating, dressing, fitting ambulation aids, and taking vital signs. Universal Precautions, isolation, and aseptic principles will be presented. Skills in basic note writing will be developed. PR: PHTA 1100. Spring semester only.

PHTA 1103 Techniques I 3 hrs.

This course includes the lecture and lab study of thermal agents, compression, and massage. Skills in surface anatomy and goniometry are developed. Upon completion, students are able to correctly and safely apply these techniques in a laboratory setting while assessing the physiologic response and observing indications and contraindications. Note writing skills are further developed. PR: PHTA 1100. Spring semester only.

PHTA 1104 Techniques II 2 hrs.

Therapeutic modalities are continued. Topics include electrical stimulation, traction, and manual muscle testing. Upon completion students can safely and effectively apply these techniques in a laboratory setting, write appropriate progress notes, and demonstrate knowledge of the physiological principles involved. PR: PHTA 1103. Summer I only.

PHTA 1105 Kinesiology 3 hrs.

This course provides a study of human movement and related mechanical principles. Topics include detailed musculoskeletal anatomy and physiology. Upon completion, student will be able to analyze a functional task and identify component joint motions and muscle actions. PR: PHTA 1100. Spring semester only.

PHTA 1106 Clinical Education I 1 hr.

Initial clinical experience for students. Forty hours spaced throughout the semester introduces the various settings of a physical therapy practice - acute care, transitional care, out-patient clinic, home health, skilled nursing facility, rehabilitation unit, and the school system. The student may participate in the clinic's activities only if their skills have been checked-off in the course laboratory setting. Spring semester only.

PHTA 1108 Clinical Education II 2 hrs.

A concentrated ten day, eighty hour clinical experience dedicated to modality application and the study of goniometry and manual muscle testing. The student will be assigned to a clinical setting that utilizes the modalities studied. The student will begin to assess patient response to treatment and be prepared to adjust the therapeutic intervention accordingly. PR: PHTA 1104. Summer I only.

PHTA 1199 Special Topics in Physical Therapist Assistant 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

PHTA 2200 Techniques III 4 hrs.

The principles and techniques of therapeutic exercise will be introduced. Topics also include gait analysis, posture assessment, and chest physical therapy. Upon completion the student will plan, implement, and assess the response to an exercise plan in a laboratory setting. PR: PHTA 1104. Fall semester only.

PHTA 2201 Techniques IV 4 hrs.

The dysfunctions caused by and intervention strategies for musculoskeletal disorders, amputations, wounds, and burns will be examined. Upon completion, the student will be able to combine previously and newly learned procedures and strategies to carry out an orthopedic care plan in a laboratory setting. PR: PHTA 1104. Fall semester only.

PHTA 2202 Techniques V 4 hrs.

The dysfunctions caused by and intervention strategies for peripheral and nervous system disorders will be examined. Upon completion the student will be able to combine previously and newly learned procedures and strategies to carry out a neurologic care plan in a laboratory setting. PR: PHTA 1104. Fall semester only.

PHTA 2204 Clinical Education III 3 hrs.

This rotation consists of one hundred twelve hours over a three week period that will allow the student to begin the process of working within the physical therapy Plan of Care. The emphasis will be to implement, develop, and progress a therapeutic exercise program for the patient to address the impairments of decreased range of motion, decreased strength, decreased endurance, or motor control deficit. PR: PHTA 2202. Fall semester only.

PHTA 2206 Clinical Education IV 5 hrs.

This five week, 200 hour clinical assignment allows the student to apply all previously learned theory and skills to patient care in a clinical setting. Each student is assigned to a clinical center to perform physical therapy modalities and procedures on a variety of patients. PR: PHTA 2202. Spring semester only.

PHTA 2207 Clinical Education V 5 hrs.

This final five week, 200 hour clinical assignment continues with the correlation of the classroom/laboratory experiences to patient care. The progression of the student's skills to "entry level" will be monitored closely. Each student is assigned to a clinical center to perform physical therapy modalities and procedures on a variety of patients. PR: PHTA 2202. Spring semester only.

PHTA 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

PHTA 2995 Capstone Seminar 2 hrs.
This intense five week seminar examines the expectations for an entry level physical therapist assistant and focuses on preparation for clinical rotations and entry into the profession. Previously learned and new material relating to safety, plan of care, communication, professional behavior, and knowledge are tied to the role of the PTA. PR: PHTA 2204. Spring semester only.

PHYSICAL SCIENCE

PHSC 1199 Special Topics in Physical Science 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

PHSC 2201 Exosphere 4 hrs.
This course is designed to provide elementary education majors with an understanding of the interrelationships of matter and energy, and the earth in space. The Exosphere theme will focus primarily on astronomy and physics, while incorporating topics in earth science and biology. Class periods will be structured around the three-stage learning cycle, modeling constructivist teaching methods. Four hours of lecture/ discussion/activities per week. PR: BIOL 1104 with a C or better and admission to Elementary Education. Fall semester only.

PHSC 2202 Geosphere 4 hrs.
This course is designed to provide elementary education majors with an understanding of the dynamic earth and its matter. Students will primarily focus on earth science and chemistry topics, while integrating biology concepts and physics topics such as balanced and unbalanced forces, magnetism, friction, wave propagation and structure. Four hours of lecture/discussion/activities per week. PR: BIOL 1104 with a C or better and admission to Elementary Education. Spring semester only.

PHSC 4412 Elementary Science Methods 3 hrs.
This course is designed to prepare pre-service elementary school teachers to teach science. Students will work with equity, authentic assessment, technology integration, safety, and science pedagogy including inquiry, constructivism and problem-based learning. Students will conduct a learning cycle-based lesson with elementary students during an after-school program, and will construct an integrated thematic unit for use in an elementary classroom. PR: Admission to the teacher education program and the following courses: PHSC 2201, 2202, all with a C or better.

PHSC 4430 Science Integration Seminar 1 hr.
This course is designed for students preparing to teach general science in middle and high schools. Teacher candidates will investigate the nature of science, the processes of science, and the inter-related nature of science disciplines. They will explore the science theme of Earth's Oceans to investigate the geoscience, biology, chemistry, physics content as it pertains to that theme. In addition, students will develop an original standards-based integrated unit around a theme. Students should have completed a substantial portion of their general science coursework before enrolling in this course (e.g. PHYS 1101, GEOL 1101, CHEM 1105, and BIOL 1106). PR: Junior status, 2.75 field GPA, and admission to Teacher Education.

PHSC 4431 Methods and Materials in Teaching Science 3 hrs.
The course is designed for students preparing to teach science at the middle or secondary-school level. Students will develop and teach a science lesson to junior high school children in the Science Enrichment Program. They will become familiar with science curriculum in the middle and secondary schools, science teaching resources, test construction and classroom management skills, and will develop an instruction unit. PR: junior status, 2.75 GPA in science courses completed, and admission to Teacher Education. Spring semester only.

PHSC 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

PHYSICS

PLEASE NOTE:
PHYS 1105/1106 substitutes for PHYS 1101/1102 in all programs. PHYS 1105/1106 is calculus based and is a more appropriate level of study than PHYS 1101/1102 for science majors and some technology majors.

PHYS 1101 S-FSU Introduction to Physics I 4 hrs.
An introduction to elementary principles of mechanics, sound, and heat. A three-hour laboratory period each week supplements the three lecture-recitation periods. PR: MATH 1102 or MATH 1115 or MATH 1185 or MATH 1190 or MATH ACT 24 or MATH SAT 560 or Compass 67.

PHYS 1102 S-FSU Introduction to Physics II 4 hrs.
A continuation of PHYS 1101; includes a study of electricity and magnetism, light and basic atomic and nuclear physics. PR: PHYS 1101.

PHYS 1105 S-FSU Principles of Physics I 5 hrs.
Students are instructed in the elementary principles and calculus-based mathematical descriptions of matter and energy, including mechanics (linear and rotational motion, force, work and energy, harmonic motion), fluids, wave motion and thermal physics. A three-hour lab period supplements a four-hour weekly lecture. PR: MATH 1185 or MATH 1190 or TECH 2290 or MATH ACT 28 or MATH SAT 630 or Compass 89.

PHYS 1106 S-FSU Principles of Physics II 5 hrs.
Students are instructed in the elementary principles and calculus-based mathematical descriptions of electricity and magnetism, light, optics and modern physics. A three-hour lab period supplements the four-hour weekly lecture. PR: PHYS 1105.

PHYS 1199 Special Topics in Physics 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

PHYS 2201 Demonstrations in Physics 2 hrs.
This course covers effective use of everyday materials to illustrate physical phenomena, experience with a variety of lecture equipment, and practice in planning and executing demonstrations. It is designed to serve teachers in both the elementary and secondary schools. PR: Program Restriction: Physics teaching specialization.

PHYS 2202 Astronomy 3 hrs.

A study of the physical properties of the solar system, stars and galaxies, including the concepts of motion, space and time. Occasional night sessions. PR: PHYS 1102 or PHYS 1106.

PHYS 3211 Intermediate Physics IA - Newtonian Mechanics 3 hrs.

Students taking this course will build, examine and utilize scientific models of classical mechanics to conceptualize and understand the natural phenomena of motion and matter interactions. Students will apply these calculus-based models to a wide range of single and many-particle systems characterized by mass, electrical charge, atomic structure, and constant and variable interactions. Models include the principles of linear and angular momentum, Newton's laws, waves and oscillatory motion. PR: PHYS 1102 or 1106 and MATH 1186 or 3315 or TECH 3300.

PHYS 3212 Intermediate Physics IB - Energy Perspectives 3 hrs.

Students taking this course will build, examine and utilize energy-based scientific models to conceptualize and understand the natural phenomena of motion and states of matter from an energy perspective. Students will apply these calculus-based models to systems involving gravitational, electric, atomic, and nuclear interactions. Models include the mechanical, thermal and electromagnetic energy of these systems. PR:(or at the same time with instructor's permission): PHYS 3211.

PHYS 3221 Intermediate Physics IIA - Electric Interactions 3 hrs.

Students taking this course will build, examine and utilize the scientific models of classical electricity and magnetism to conceptualize and understand the natural phenomena of electric interactions on a macroscopic level. Students will apply these calculus-based models to various important electrical systems and circuits. PR: PHYS 3212.

PHYS 3222 Intermediate Physics IIB - Electromagnetic Interactions and Semiconductor Devices 3 hrs.

Students taking this course will build, examine and utilize the scientific models of magnetic field, electromagnetic radiation and electron energy levels in solids to conceptualize and understand magnetic and electromagnetic phenomena, quantum phenomena in solids, and transistors. Students will apply these calculus-based models to electromagnetic interference, particle-wave duality, and semiconductor devices and circuits. PR:(or at the same time with instructor's permission): PHYS 3221.

PHYS 3230 Intermediate Physics Laboratory 2 hrs.

Students taking this course will systematically investigate aspects of the models and concepts of PHYS 3211-2 and 3221-2 through a set of laboratory experiences. The labs include preliminary research, and lab setups, analysis and reporting. Student reports will include oral presentations of their preliminary research and investigations, and demonstrations of their lab set-ups. PR: (or at the same time with instructor's permission): PHYS 3221.

PHYS 3310 Electricity and Electronics 4 hrs.

A review of elementary direct and alternating current theory and transient responses of electrical components. Students are introduced to basic theory of vacuum tubes, semiconductors, amplifiers principles, and logic circuits. Two hours of laboratory and three hours of lecture each week. PR: PHYS 1102 or PHYS 1106.

PHYS 3325 Advanced Physics I 4 hrs.

An in-depth, rigorous, calculus-based treatment of thermodynamics, mechanics (including Newtonian mechanics, one-dimensional dynamics, oscillatory motion, vector analysis and central forces) and wave motion. A two-hour lab period supplements the three-hour weekly lecture. The lab component provides open-ended, inquiry-based investigations along with greater responsibility for interpreting, utilizing and communicating results in the classroom. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3335 Advanced Physics II 4 hrs.

An in-depth, rigorous, calculus-based treatment of modern physics, including relativity, particle-wave duality, electromagnetic radiation, Schrodinger's wave equation, atomic theory and nuclear physics. A two-hour lab period supplements the three-hour weekly lecture. The lab component provides open-ended, inquiry-based investigations along with greater responsibility for interpreting, utilizing and communicating results in the classroom. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3340 Special Problems 2 hrs.

Individual studies of problems of special interest in the field of physics, for advanced students. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3350 Mathematical Methods of Physics 3 hrs.

This course deals with the applications of vectors, vector algebra, vector analysis, differential calculus, integral calculus and differential equations to problems in physics and related scientific fields. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

POLITICAL SCIENCE

POLI 1103 S-FSU American Government 3 hrs.

A survey of the American political system, dealing particularly with the form and function of the federal system.

POLI 2200 S-FSU Introduction to Political Science 3 hrs.

A study of the fundamentals of politics and key issues, the concept of the state and its agent, government, types of political authority, the scope of governmental activities and the problem of world order.

POLI 2201 S-FSU Principles of International Relations 3 hrs.

A study designed to acquaint the student with the theory and practice of international relations.

POLI 2203 S-FSU Comparative Government 3 hrs.

This survey course is designed to foster a broad general acquaintance with the political institutions and government practices of certain nations.

POLI 2206 Public Planning in Appalachia 3 hrs.

A study of federal-state relations, regional planning and development administration in West Virginia, the Appalachian Regional Commission, public program analysis and evaluation and images and realities of public planning in West Virginia.

POLI 2207 Public Budgeting and Government Finance 3 hrs.

This course analyzes the political, economic and social aspects of budgeting, with particular emphasis on their relationships in West Virginia state and local government.

POLI 2209 Selected Topics in Political Science 3 hrs.

An issue-oriented study of some germane matter in public administration. The course involves an extensive commitment to a single issue or policy area over the course of the semester.

POLI 2240 Nonparametric Statistics 3 hrs.

This course introduces the student to the fundamental principles of descriptive and inferential statistics, with an emphasis on the analysis of nominal and ordinal data. Topics include nonparametric tests of significance, scaling, coding and a discussion of hypothesis construction. This course should be taken during the sophomore year. (Credit in either Political Science or Sociology.) PR is one of the following, with a grade of C or better:
(a) MATH 1100
(b) MATH 1107
(c) MATH 1112
(d) MATH 1115

POLI 3300 Public Administration 3 hrs.

This upper division course explores the politics of public administration. This course studies the origins, structures, and processes of government administration with a focus on administrative politics, law and ethics, organizational theory and technical fields, such as budgeting, planning, and personnel. Public administration involves the bureaucracy in the implementation of politics often authored by other institutions of government (the legislative, executive, and judicial branches).

POLI 3301 Comparative Public Administration 3 hrs.

Utilizing the techniques of comparative analysis, this course explores the theory and practice of public administration in various cultures and political systems. Attention is centered on the practices of administration in American national, state and local governmental settings.

POLI 3302 State and Local Government 3 hrs.

This course is designed to explore American state and local government structures and functions while focusing on constitutions, institutions, instruments of popular control, and intergovernmental relations. This course will examine a number of topics having to do with state and local politics with an emphasis on comparing states and extra attention on the state and local government in West Virginia.

POLI 3303 Political Parties 3 hrs.

A study of the origins, growth and development of American political parties. PR: POLI 1103.

POLI 3304 American Constitutional Government and Law 3 hrs.

This course examines the development, interpretation and application of basic principles of constitutional law in the United States. The course will be concerned with the definition, extents and limitations of governmental powers and rights of Americans. PR: POLI 1103.

POLI 3305 American Political Theory 3 hrs.

A study of the political literature which has given expression to the ideas of individual liberty enjoyed by American citizens.

POLI 3306 The American Presidency 3 hrs.

This course will introduce the student to the institution of the American presidency and will also act as a comprehensive survey of the presidency. Students will examine several aspects of the office and a variety of views about the presidency. PR: POLI 1103.

POLI 3307 Congress and the Legislative Process 3 hrs.

This course introduces the student to the institution of the Congress and the legislative process. Topics include the internal processes and structure of Congress, Congress-constituent connections and its relationship with other branches and levels of government. PR: POLI 1103.

POLI 3308 Public Personnel Administration 3 hrs.

An examination of public personnel administration, with emphasis on such matters as the merit system, the historical development of public service, staffing, training, classification, the rights and obligations of public employees and the human-relations aspects of public management.

POLI 3310 Recent Political Theory 3 hrs.

An analysis of the development and theoretical foundations of three major political ideologies of the nineteenth and twentieth centuries: Communism, fascism, and democracy.

POLI 3311 Global Affairs 3 hrs.

This course analyzes major global issues facing the world today, such as human rights, terrorism, armed conflict, and peace. This course will also explore the politics of scarcity and security of energy resources, environment, economy, food and water resources, demographics and population growth, technology and information.

POLI 3321 US Foreign Policy 3 hrs.

This course explores U.S. foreign policy formulation and considers policies by areas and functions. PR: POLI 1103.

POLI 3340 Political Science Research Methods 3 hrs.

Writing Intensive

This course is designed to introduce the student to the methods of conducting replicable research in political science. Topics include research design, literature review, measurement criteria, data gathering, analysis and validity. The course will consist of lectures and exercises in the classroom, library and computer lab. PR: ENGL 1108.

POLI 3350 International Law and Organizations 3 hrs.

A study of the structure and functions of international institutions and legal processes involved in the effort to maintain peace and security in the world.

POLI 3360 Government and Politics of the Far East 3 hrs.

A study of political systems and developments in the countries of Communist and Nationalist China, South and North Korea and Japan, with emphasis on China. Students will consider such relevant aspects as the historical foundation, economic problems and foreign policy of the state.

POLI 3370 World Religions and Politics 3 hrs.

This course will undertake a systematic and rigorous investigation of the relationship between politics and religion in a variety of countries around the world. Religion plays an important and contentious role in world politics and this course will analyze the philosophical thought underlying major world religions.

POLI 3393 Future Global Crises 3 hrs.

A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are tailored to students' interests. Credit in Technology or Psychology.

POLI 4404 Civil Liberties in the US 3 hrs.

A study of the nature and substance of civil liberties in the United States. The philosophy underlying the Bill of Rights will be analyzed and students will discuss the development of each of the great freedoms protected therein, such as free speech, free press, and free religion among others. Particular attention will be given to how the Supreme Court has interpreted and applied the guarantees contained within the Bill of Rights in specific instances. PR: POLI 1103.

POLI 4405 Terrorism 3 hrs.

A course designed to give the student an understanding of the problem of terrorism and political violence. The course will define terrorism, examine its origins, characteristics, nature and trends, analyze in detail various terrorist organizations and address selected problems in the response to terrorism. Credit in Political Science or Criminal Justice.

POLI 4406 International Problems 3 hrs.

This course covers the foreign policies of several nations and the machinery established for the peaceful adjudications of international differences.

POLI 4410 Problems in American Government 3 hrs.

A study of current problems affecting the structure and function of American national government. PR: POLI 1103.

POLI 4411, 4412, 4413 Area Studies 3 hrs.

Studies of selected areas or regions of the world, conducted on an interdisciplinary basis. The area selected and the time span studied will be determined by the instructor. PR: Instructor Approval Required if offered as an arranged class; no prerequisite required if class meets regularly.

POLI 4450 Practicum 1-12 hrs.

A professional internship with a government or political agency, designed to give students pertinent experience in a particular field of political science. PR: POLI 1103, Instructor Approval Required.

POLI 4470 Seminar in Political Science 3 hrs.

A survey of recent developments in the practice and theory of politics, with an emphasis on independent study. PR: Instructor Approval Required.

POLI 4499 Special Topics in Political Science 1-12 hrs.

Studies in special selected topics to be determined by the instructor and approved by the program advisor. Individual students with specific interests work on a tutorial basis with an appropriate professor.

POLI 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for students to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

PSYCHOLOGY

PSYC 1101 S-FSU Introduction to Psychology 3 hrs.

A general overview of the science of psychology. Topics include science methodology, life-span psychology, personality theory, consciousness, stress, health and coping, learning theory, psychological disorders, biopsychology, sensation, cognition and memory and social psychology.

PSYC 2220 History and Systems of Psychology 3 hrs.

Traces the development of the science of psychology from its origins in philosophy, physiology and medicine to the modern era. PR: PSYC 1101.

PSYC 2230 Social Psychology (Same as SOCY 2230) 3 hrs.

A study of how man affects and is affected by others. Topics include the socio-psychological foundations of perception, affiliation, influence, group structure and dynamics, attitude formation and change. PR: PSYC 1101.

PSYC 2240 Statistics 4 hrs.

This course covers elementary statistical description and analysis, as employed particularly in the behavioral sciences. Three hours of lecture, one hour of laboratory per week. PR: PSYC 1101.

PSYC 2250 S-FSU Community Psychology 3 hrs.

This course consists of lectures, discussion, readings and field observation designed to acquaint the student with the philosophy, technique and theory of community mental health. PR: PSYC 1101.

PSYC 2260 Industrial and Personnel Psychology 3 hrs.

A study of psychological concepts and methods as applied to personnel management, human-factors engineering, employee selection, motivation, training, productivity, consumer psychology and human relations. PR: PSYC 1101.

PSYC 3300 Abnormal Psychology 3 hrs.

A survey of the antecedents, diagnosis, treatment and prevention of various maladjustments and personality disturbances. PR: PSYC 1101.

PSYC 3310 Experimental Psychology 3 hrs.

An introduction to the procedures of experimental research, design and evaluation, using laboratory techniques. Two hours of lecture and two hours of laboratory weekly. PR: PSYC 2240.

PSYC 3320 Sensation and Perception 3 hrs.

An examination of the classical concepts in sensation and perception and of the resulting psycho-physical data for each of the major senses, with an emphasis on vision and audition. Psychology and modern perceptual formulations are viewed through the lens of empirical data. PR: PSYC 1101.

PSYC 3330 Developmental Psychology 3 hrs.

A longitudinal study of behavior change and development through the life span of the individual, from conception through the end of life. PR: PSYC 1101.

PSYC 3340 Operant Techniques and Applications 3 hrs.

A detailed study of operant techniques and methodologies, from the experimental laboratory to the community at large. Emphasis is placed on the development of skills in the observation, manipulation and evaluation of various behavior-control techniques in the light of ethical concerns. PR: PSYC 1101.

PSYC 3350 Biopsychology 3 hrs.

This course focuses on the basic development, structure and function of the central nervous system, autonomic nervous system and endocrine system. The emphasis is on the relationship between physiological functioning and the behavior of the intact organism. PR: PSYC 1101.

PSYC 3360 Cognitive Psychology 3 hrs.

The study of thinking, memory, perception, cognition and verbal behavior. PR: PSYC 1101.

PSYC 3370 Theories of Learning 3 hrs.

A study of the experimental procedures, data and concepts dealing with changes in behavior that are usually defined as learning. The emphasis is on a detailed analysis of various theories of learning and contemporary approaches. PR: PSYC 1101.

PSYC 3390 Foundations of Psychology 3 hrs.

Writing Intensive

A detailed study of the methodological and philosophical issues involved in the analysis of behavior. The course objectives are to provide insight into the nature of applied scientific research, to foster the ability to construct empirical hypotheses, to develop facility in designing experimental tests of hypotheses, to promote effective reading and evaluation of psychological research and to encourage professional writing and speaking about psychological theory and experimentation. PR: ENGL 1108, PSYC 3310.

PSYC 3393 Future Global Crises 3 hrs.

A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are tailored to students' interests. (Credit in Political Science or Technology). PR: PSYC 1101

PSYC 3399 Special Topics in Psychology 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits earned will be applicable as free electives in degree and certificate programs. PR: PSYC 1101

PSYC 4400 Psychometrics 3 hrs.

This course addresses the general theory of measurement as involved in various areas of psychology, such as psychological tests, attitude scales, psychophysics and qualified behavior theory. PR: PSYC 2240.

PSYC 4410 Theories of Personality 3 hrs.

A critical consideration of the major theories of personality, including Psychodynamic, Cognitive, Cognitive Behavioral, Behavioral, Existential, Trait, Adlerian and Gestalt theory. The basis of personality theoretical development will also be emphasized. PR: PSYC 1101.

PSYC 4420 Comparative-Ethological Psychology 3 hrs.

A study and comparison of the methods and major theories in ethology and psychology, as related to the behavior of species at different phylogenetic levels. Through lectures, laboratory, and field observations, the course will address topics such as behavior as related to species, speciation and evolution, imprinting, learning, the place of animal experimentation in psychology and aspects related to population and ecology. PR: PSYC 1101 or Instructor Approval Required.

PSYC 4460 Seminar 3-6 hrs.

The discussion of specific research topics as reported in contemporary psychological literature is emphasized in this particular course. It is designed specifically to promote students' analytical thinking and presentation, as it pertains to current research investigation. PR: PSYC 1101. May be repeated once.

PSYC 4480 Directed Studies 1-6 hrs.

Intensive study and reading on a topic selected by the student and instructor. Requirements and credit must be decided before registration through instructor-student consultation. PR: Instructor Approval Required. (Six-hour limit.) PSYC 1101

PSYC 4481 Industrial Psychology Methods I 3 hrs.

Students in this course will develop skills and understanding in the areas of job analysis, performance appraisal, training, motivation, attitudes, job satisfaction, productivity and consumer psychology. Some field work is required. PR: 2240, 2260.

PSYC 4483 Industrial Psychology Methods II 3 hrs.

Skills and understanding are developed in the areas of leadership, supervision, communication, organizational behavior, accidents and safety, fatigue, monotony, working conditions and engineering psychology. Some field work required. PR: PSYC 4481.

PSYC 4485 Advanced Psychometrics 3 hrs.

This course covers personnel selection and placement, as well as a more advanced treatment of reliability and validity. Skills in these areas are developed. PR: 4400 and Instructor Approval Required.

PSYC 4487 Practicum I 3 hrs.

PSYC 4489 Practicum II 3 hrs.

These Practica afford an application of knowledge and techniques developed within the Industrial-Personnel Program. Students work under supervision in participating businesses, industries and institutions. The remaining time is spent in lectures, discussion and reading to enhance the student's training. PR: Instructor Approval Required.

PSYC 4490 Directed Research 1-3 hrs.

This course provides an opportunity for work on individual library or experimental projects. Requirements, including a thesis, and credit must be decided before registration through instructor-student consultation. PR: Instructor Approval Required. (Six-hour limit.) For additional information on the availability of Technical Studies Degrees and specific requirements, contact the Community and Technical College Office.

PSYC 4491 Psychopathology of Childhood and Adolescence 3 hrs.

Problems of etiology, diagnosis and treatment of maladjustment in childhood and adolescence. Students will analyze and discuss problems like drug addiction and juvenile delinquency.

PSYC 4493 The Psychology of Aging 3 hrs.

A study of problems facing the aging. The psychological, social and physiological aspects of aging and methods of treatment are analyzed and discussed.

PSYC 4494 Interpersonal Dynamics 3 hrs.

The main objective of this course is to develop techniques and basic skills required for effective operation in psychological settings such as interviews, role-playing, and facilitation of dyadic and small Ô'dynamics-centered" group interaction. These diagnostic and therapeutic methods are experienced and discussed in terms of various psychological theories of communication. PR: PSYC 1101 and Instructor Approval Required.

PSYC 4495 The Psychology of Delinquency 3 hrs.

This course investigates factors in the etiology of the delinquent in modern society, with special emphasis on the urban scene. Topics include personality and emotional problems associated with delinquency, and problems of treatment. Students visit persons and institutions serving juvenile delinquents.

PSYC 4497 Clinical Practicum I 3 hrs.

PR: PSYC 3300.

PSYC 4498 Clinical Practicum II 3 hrs.

An application of knowledge and techniques developed within the psychology program. Students work under supervision in assigned agencies or institutions. Other practicum assignments are made as available. The remainder of time is spent in lectures, discussion and reading to enhance the student's training. PR: PSYC 3300 and Instructor Approval Required.

PSYC 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

RECREATION

RECR 1141 Introduction to Recreation 3 hrs.

The historical and philosophical foundations of leisure and recreation are introduced. Students will cultivate the knowledge needed to develop concepts concerning recreation, the socio-economic movement affecting the growth and development of recreation, the economic services and the various areas of facilities used in recreation.

RECR 1142 Social Recreation 3 hrs.

This course is designed to present material and information necessary to adequately conduct social recreation in clubs, churches, campus, playgrounds and recreation centers. Students will be involved with planning, programming, and conducting social recreational activities.

RECR 1143 Outdoor Recreation 3 hrs.

An examination of the history and development of outdoor recreation, conservation and organized camping. Opportunities are provided to learn camp craft and leadership skills and techniques through field trips and outings.

RECR 1146 S-FSU Folk and Square Dance 2 hrs.

This is a survey course of the history and development of folk and square dancing. The student will learn the necessary skills for participation and teaching a wide variety of dances. Appropriate dance activities within various recreational settings will be investigated.

RECR 1150 Introduction to Rock Climbing 2 hrs.
This course will focus on the basics of safe and responsible rock climbing. Topics include knots, equipment and care, belaying, rappelling, anchor building, and climbing techniques. Students will be required to participate in rappelling, rock climbing, belaying, and anchor building activities.

RECR 1151 Backcountry Living Skills 2 hrs.
This Recreation course is designed to provide: physical, mental, and social challenges that will introduce the participants to the basic concepts and techniques for recreating and surviving in the backcountry using Leave No Trace methods. Students will actively engage in backpacking, camping, and survival activities in order to further develop hard skills and environmental ethics.

RECR 1153 Seminar in Outdoor Recreation 2 hrs.
This course provides an advanced experience in the organization and presentation of various outdoor programs. Participation includes a number of weekend and extended outdoor experiences, plus field studies in area outdoor facilities. PR: RECR 1143.

RECR 1154 Recreation Field Work I 2 hrs.
The student will become acquainted with the nature and diversity of available recreation programs and services. The student will be assigned to recreational settings distinctly different in philosophy, organizational structure and clientele served.

RECR 1155 Recreation Field Work II 2 hrs.
A continuation of RECR 1154, this sequence of field work courses is developmental. Progress develops from a dependent position to an interdependent position.

RECR 1177 Introduction to Adventure Water Sports 2 hrs.
This course provides an introduction to various adventure water activities including canoeing, kayaking and white water rafting. Students will learn about trip planning, water safety, Leave No Trace ethics, and equipment use and care. Students will be introduced to these activities through experiential learning in the swimming pool and trips on the New River and Gauley River. PR: PHED 2232 or 2233 or 3381.

RECR 1178 Scuba Diving "Open Water Certification" 2 hrs.
This course will cover all necessary requirements to obtain the open water certification. PR: PHED 2232 or 2233 or 3381.

RECR 1188 Introduction to Adventure Winter Sports 2 hrs.
This course provides an introduction to various adventure winter activities including: Cross country Skiing/ Snow Shoeing/ Downhill Skiing/ Snowboarding/ Spelunking. Students will be introduced to these activities through experiential learning in and around campus and trips to White Grass Resort, Wisp, Canaan Valley, Snowshoe, and Timberline resort.

RECR 1199 Special Topics in Recreation 1-12 hrs.
Special selected topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

RECR 2220 Program Planning and Organization 3 hrs.
A presentation of the underlying principles for effective recreation planning. Attention is given to the variety of programs associated with recreation and the interests of the participants. Students will also examine methods of planning, organization, leadership, facilities and equipment. PR: RECR 1141.

RECR 2250 Select Topics in Certification 2 hrs.
In this course, students will acquire a certification"of their choice" related to the field of outdoor recreation. The students will be required to document 30 hours of instruction and work experience and accomplishment of the desired certification. Choice of certification must be preapproved by the chair or instructor.

RECR 3300 Intramural Administration 3 hrs.
This course provides administrative experience in directing and supervising institutional physical recreational programs. The course will be offered both semesters on an arranged basis. (The course cannot replace or be used in the fulfillment of other program requirements.) Junior standing.

RECR 3301 Day Camp Administration 3 hrs.
In this course, students will gain administrative experiences in directing and supervising summer day camp programs (Falcon Camp). This course will be offered on an arranged basis during the first and second summer sessions only. Junior standing.

RECR 3330 Group Leadership 3 hrs.
This course presents information on group dynamics, leadership styles, activity facilitation, risk management, liability issues, and trip planning. Students will obtain practical knowledge of group situations and principles necessary for effective leadership. Opportunities to develop their own leadership skills through peer teaching will be provided. PR: RECR 1141.

RECR 3340 Internship/Camp Administration 3 hrs.
In this course, students will gain administrative experiences in directing and supervising summer day camp programs (Falcon Camp) or choose an internship that provides an equal or greater learning and work experience. Internships must be preapproved by instructor. Students will be required to obtain an internship in the field of recreation approved by instructor. Students will be required to fulfill 150 hours of documented work experience from their supervisor. Junior standing. PR: RECR 1151 and 3330.

RESPIRATORY CARE

RESP 1101 Introduction to Respiratory Care 3 hrs.
This course introduces the respiratory care student to the basic principles and skills required to care for the cardiopulmonary patient with a significant emphasis on respiratory anatomy and physiology, including patient assessment, principles of oxygen administration and basic pulmonary diagnostic procedures. The learner will obtain CPR certification during this course.

RESP 1103 Respiratory Care Pharmacology 3 hrs.
This course is an in-depth study of the drugs encountered during the clinical practice of respiratory care. The indications, dosages, actions, side effects, and other aspects of medication and medication delivery will be studied. Emphasis will include general chemistry principles.

RESP 1105 Clinical Practice I 4 hrs.
This course couples laboratory practice with clinical application of basic technical skills used in the delivery of care to the cardiopulmonary patients. The practice of clinical skills acquired during laboratory practice will be applied in a full service respiratory care department under the guidance of a clinical instructor. Emphasis on clinical application of principles and theories taught in RESP 1101.

RESP 1107 Mechanical Ventilation I 3 hrs.
An examination of the theory and application of principles of mechanical ventilation. Emphasis will be place on the effects of positive pressure ventilation, operating modes, airway management, and initiation of mechanical ventilation.

RESP 1109 Respiratory Pathophysiology 3 hrs.
An in-depth study of cardio-pulmonary pathology, injuries, surgery, and associated medical findings. Clinical treatment is integrated into the discussion of each pathology. PR: BIOL 1170

RESP 1110 Clinical Practice II 4 hrs.
This course is a continuation of Clinical Practice I. The respiratory care student will begin to apply and refine pulmonary assessment and diagnostic skills. Structured clinical experiences in a variety of health care settings allow the learner to apply state-of-the-are therapeutic modalities used in the treatment and management of the respiratory care patient.

RESP 1112 Neonatal/Pediatric Respiratory Care 3 hrs.
General Survey of respiratory physiology, diseases, and treatment of the neonatal and pediatric population. Included is a study of the respiratory management of the high risk infant.

RESP 1114 Mechanical Ventilations II 3 hrs.
The course is a continuation of Mechanical Ventilation I. Emphasis will be placed on invasive and non-invasive assessment and monitoring of the mechanically ventilated patient. The learner will begin the practice of advanced therapeutic procedures for complex medical conditions and demonstrate setup and operation of representative mechanical ventilators.

RESP 1115 Clinical Practice III 4 hrs.
This course is a continuation of Clinical practice II. It provides laboratory practice and clinical application of technical and professional skills utilized in general floor care as well as some critical care procedures.

RESP 1199 Special Topics in Respiratory Care 1-12 hrs.
Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

RESP 1202 Respiratory Care Exam Preparation 2 hrs.
This course provides practice examinations and review to prepare the student to obtain the CRT and RRT credential. This course will be primarily taught online.

RESP 1204 Respiratory Care Internship 2 hrs.
This clinical experience will be the choice of the student. Choices include management, neonatal and pediatrics, adult critical care, diagnostic and monitoring, pulmonary rehabilitation, home and skilled nursing care for the pulmonary patient, and other experiences.

RESP 1205 Neonatal/Pediatric Clinical Practice 4 hrs.
This course is the clinical practice component of RESP 1112, Neonatal/Pediatric Respiratory Care. This course focuses on the application of respiratory care procedures in the neonatal and pediatric care units, including neonatal and pediatric intensive care units. PR: RESP 1112

RESP 1210 Intensive Respiratory Care 4 hrs.
This course will focus on assessment and monitoring techniques used in critical care medicine. The learner will explore advanced cardio-pulmonary monitoring, fluid and electrolyte management, nutritional assessment, and patient outcomes.

RESP 1215 Clinical Practice IV 4 hrs.
This course is a continuation of Clinical Practice III. It provides laboratory practice and clinical application of technical and professional skills utilized in the intensive care unit, with emphasis on the mechanically ventilated patient.

RESP 2299 Special Topics 1-12 hrs.
This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

RESP 2995 Respiratory Care Capstone (on-line) 3 hrs.
This course is designed to be accomplished without regular classroom meetings. The course incorporates discussion of critical questions and contemporary issues in the current health care environment. The goal is to facilitate successful transition from student to graduate respiratory care professional. The student will demonstrate the value of life long learning and provide evidence of adequate preparation for assuming the role of respiratory care professional. Capstone course.

SAFETY

SFTY 1100 Safety and Environmental Components of Industry 3 hrs.
This course provides an introduction to OSHA and EPA regulations pertaining to general and construction industry record keeping, OSHA/EPA inspection, fire, chemical exposure, most frequent violations and other topics.

SFTY 1150 Safety Management and Concepts in Accident Prevention 3 hrs.
An introductory examination of safety management principles, with an emphasis on recordkeeping, hazard identification, product safety and behavioral-based safety, as related to accident prevention. PR: SFTY 1100, MATH 1101.

SFTY 1199 Special Topics in Occupational Safety 1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

SFTY 2210 S-FSU Disaster Preparedness and Emergency Systems 3 hrs.
A study of the major elements of disasters and emergencies, including systematic and organized methods of preparedness planning for these events.

SFTY 2250 Safety Law and Compliance 3 hrs.
This course is a study of federal and state regulations governing general industry and product safety, with an emphasis on various legal problems related to OSHA and general industry. (OSHA 10-hour card is attainable upon completion of this class.) PR: SFTY 1100.

SFTY 2260 S-FSU Fire Prevention 3 hrs.
An examination of fire prevention, detection and suppression. The NFPA Lifesafety Code will be addressed, as well as basic water supply and hydraulics, including distribution systems. PR: SFTY 1100, CHEM 1102.

SFTY 2280 Construction Safety & Law 3 hrs.
This course covers federal construction regulations and the case law surrounding the construction industry. (OSHA 10-hour card is attainable upon completion.) PR: SFTY 2250, MATH 1102.

SFTY 2290 S-FSU Industrial Hygiene and Toxicology 3 hrs.
This course covers the methods for anticipating, recognizing, evaluating and controlling exposures in the workplace while exploring the toxicological effects of contaminants on workforces. PR: SFTY 1150, CHEM 1102, SFTY 2250.

SFTY 2291 Environmental Engineering Technology: Hazardous Waste 4 hrs.
This class provides a comprehensive study of federal/state regulations and legislation pertaining to the Environmental Protection Agency. Coverage shall include EPCRA, TSCA, RCRA, CWA and CAA as related to generation, storage and disposal of chemicals and waste in industry. PR: CHEM 1102, PR or CR: SFTY 2250.

SFTY 2295 HazWOPER 3 hrs.

A study of emergency responses related to hazardous chemical/ waste spills. This course will be taught in accordance with OSHA's 29 CFR 1910.120. Completion of the course can result in HazWoper Certification.

SFTY 3300 Industrial Hygiene Applications and Practices 4 hrs.

Writing Intensive

A continuation of SFTY 2290, this course allows students to explore and apply the industrial hygiene sampling methodologies applicable to different chemical, biological and thermal exposures in the workplace. This is a hands-on class, focusing on the utilization of sampling equipment. It satisfies the Writing Intensive Course requirement for General Studies. PR: ENGL 1108, SFTY 2290.

SFTY 3310 Ergonomics & Human Factors 3 hrs.

This class will explore the interaction between the design of the workplace and the worker, with an emphasis on anatomical/ physiological stressors and common work-related musculoskeletal disorders. It will also focus on redesign and elimination of said stressors and cognitive factors related to the work environment. PR: SFTY 1100, CHEM 1102, MATH 1102, BIOL 1170. Spring Semester Only

SFTY 3335 Air Pollution 3 hrs.

This course focuses on the state and federal requirements for air emissions, with an emphasis on reporting and sampling methodologies. Studies include criteria pollutants, hazardous air pollutants and ozone-depleting chemicals, as well as modeling and emission control/reduction. PR: SFTY 2291 and CHEM 1102.

SFTY 3345 Water Pollution 3 hrs.

A study of state and federal regulations governing industrial water pollution, including permitting, monitoring and remediation. The regulatory approach shall include the history of water pollution in this country and the technology and work practices available today to limit emissions. PR: SFTY 2291 and CHEM 1102.

SFTY 4400 Safety Engineering Design 3 hrs.

This course covers design engineering and engineering countermeasures needed to minimize losses incurred by man and the environment. PR: SFTY 2250, PHYS 1102.

SFTY 4415 Safety Internship 3 hrs.

Students shall complete an advisor-approved safety internship. Responsibilities must be in the field of employee safety and/or health. PR: Instructor Approval Required.

SFTY 4420 System Safety and Management 4 hrs.

A study of System Safety methodologies and Process Safety management, with an emphasis on safety audits, safety management, risk assessment, loss control and statistical applications. PR: SFTY 4400, MATH 1113, INFO 1100.

SFTY 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

SAFETY EDUCATION

SAFE 1199 Special Topics in Safety 1-12 hrs.

Special topics will be selected, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free elective credits in degree and certificate programs.

SAFE 2200 S-FSU Accident Analysis and Emergency Care 2 hrs.

An analysis of problematic areas of accident causation, prevention, emergency treatment and control pertinent to the elementary school environment and teacher responsibilities.

SCIENCE

SCIE 1000 Human Biology 4 hrs.

Human Biology is an introductory course intended for non-science majors and is specifically designed to enable students to relate human structure and function to everyday life. Topics include basic human genetics, structure and function of the human body, relationship of humans to their environment, and public health. Current topics related to human biology are discussed throughout the semester. This course includes 3 hours of lecture and 2 hours of lab per week.

SCIE 1010 Earth and Sky 4 hrs.

For non-science majors, this course is designed to give students a greater appreciation of the world around them. The course focuses on observable, useful science by an integrated approach of meteorology and astronomy from the perspective of Earth. Topics cover the Earth's formation, its weather, and its place in the Universe. Students investigate both the process and content of science through activities, collaborative learning, guest speakers, and local field trips. Concepts are applied to weather and astronomy observations as well as critical environmental issues. The course uses a printed text and meets for two-hour class periods twice a week.

SCIE 1020 Introduction to Meteorology 4 hrs.

A non-technical treatment of the fundamentals of modern meteorology and the effects of weather and climate. This course gives a broad overview of the basics of meteorology, including temperature, air pressure, relative humidity, wind speed and direction, cloud formation, and atmospheric stability. This will provide a clear understanding of the "behind the scenes" work of the daily weather patterns.

SCIE 1103 Science That Matters I 4 hrs.

Socially-relevant science topics are investigated in an interdisciplinary (biology, chemistry, earth and space science, and physics), activities-based, modular format. Two-to three-week modules present both the process and content of science as a vital part of major contemporary issues. In each module, students explore the underlying science and employ collaborative learning and evidence-based analysis to understand the topic and formulate personal judgments about the issue. The course is heavily web-based, with no printed text, and meets for two-hour class periods twice a week.

SCIE 1110 S-FSU Chemistry of Life 4 hrs.

An introduction to scientific principles, designed to provide an understanding of the chemistry of biological systems. The intent of this course is to foster an appreciation for the chemical nature of life as it relates to health, diagnostics and the treatment of human diseases. It will consist of one two-hour class period and one two-hour activity period per week. PR: Math ACT score of 19 or higher, SAT 460, COMPASS 36, or MATH 0095.

SCIE 1199 Special Topics in Science 1-4 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the college dean. Credits earned will be applicable as free electives in degree and certificate programs.

SCIE 1210 Science in the Heart of Appalachia 4 hrs.

During this course you will explore the science underlying the formation, extraction and utilization of coal within the context of coal-based societal issues. The course will emphasize active, student-centered learning. Topics include the formation of different coal types, why coal is such an excellent source of energy, acid mine drainage, environmental pollution, human health issues, and the future of new coal technologies. You will investigate the important, intractable social problems of non-renewable resource depletion, mountaintop removal-valley fills and public health. You will be challenged to examine your role as a citizen and energy consumer in finding equitable solutions to these and other issues.

SCIE 1220 Geologic Heritage in the Field 4 hrs.

Designed for non-science majors and no prerequisites, this course explores introductory geology concepts in the classroom and through field trips. Topics include the Earth's formation, plate tectonics, geologic time, mineral and rock identification, landform interpretation, and their relationship to cultural history. Students investigate both the process and content of geology through activities, collaborative learning, and local field trips. Concepts are applied to deciphering the state's ancient geology, geography, and critical environmental issues. The course primarily uses handouts with a suggested textbook. The class meets for two-hour class periods twice a week that include local field trips during class time plus 3 or 4 daylong field trips on the weekends to areas of interest.

SOCIAL SCIENCE

SSCI 1199 Special Topics in Social Science 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

SSCI 4431 Methods and Materials of Teaching Social Studies 3 hrs.

A survey of theory and practice in secondary school social studies. Students participate in laboratory exercises using various techniques of social studies teaching. Each student is also required to plan and teach at least one micro-unit. Fall semester only. PR: Successful completion of PPST PRAXIS Test.

SSCI 4498 Interdisciplinary Seminar 3 hrs.

Identification and synthesis of major concepts in the fields of geography, history, political science, psychology, sociology and economics. No prerequisites for History Majors. PR: Instructor Approval Required. Fall semester only.

SSCI 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

SOCIOLOGY

SOCY 1110 S-FSU Introductory Sociology 3 hrs.

This course is built around selected sociological concepts and is designed to provide a general understanding of our modern society.

SOCY 1111 S-FSU Introduction to Anthropology 3 hrs.

This course is a survey of anthropology, covering both pre-historic and traditional peoples and cultures.

SOCY 1151 S-PCTC Introduction to Social Work 3 hrs.

This course provides a comprehensive overview of the ways social workers respond to a wide range of societal problems, as well as, an overview of the agencies that administer the services to those in need. This course emphasizes students' interests and abilities in relation to social work values, their capacity to interact in a caring, non-judgmental manner with others who have diverse lifestyles and different socio-economic backgrounds.

SOCY 1199 Special Topics in Sociology 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits will be applicable as free electives in degree and certificate programs.

SOCY 2200 S-FSU Social Problems 3 hrs.

A study of social stresses and strains in important areas of human relationships. PR: SOCY 1110.

SOCY 2220 Introduction to Population Studies 3 hrs.

This course is a general introduction to the theories and methodologies of population studies. Population studies are also referred to as demography and involve the study of human populations' size, composition and distribution. Population growth is examined, as well as many of the factors responsible for population growth. Interrelationships among demographic, social, economic and environmental factors are investigated, in the context of population issues and problems.

SOCY 2230 Social Psychology 3 hrs.

A study of social structure and interaction. Students will focus on techniques of leadership and control. PR: SOCY 1110. Recommended: PSYC 1101 or EDUC 1302 and 1303. Same course as PSYC 2230.

SOCY 2240 Nonparametric Statistics 3 hrs.

Introduces the student to the fundamental principles of descriptive and inferential statistics, with an emphasis on the analysis of nominal and ordinal data. These areas include non-parametric tests of significance, scaling, coding, and a discussion of hypothesis construction. This course should be taken during the sophomore year. (Credit in either Political Science or Sociology.) PR is a grade of C or better in MATH 1100 or higher.

SOCY 3301 Ethnology 3 hrs.

A study of human biological and social origins, including human prehistory, race, the origin and nature of culture, social organizations among preliterate peoples, cultural diffusion and culture change. PR: SOCY 1110 or 1111.

SOCY 3310 Sociology of the Family 3 hrs.

A study of the background, structure and function of the American family, with emphasis placed on the effect of social change upon the family. The meaning of the paired relationship is examined, along with alternatives to marriage and the family. PR: SOCY 1110.

SOCY 3325 Social Stratification 3 hrs.

The course includes an analysis of social structure and stratification in terms of class, status and power relations in society; students will examine various theories and research findings. PR: SOCY 1110.

SOCY 3340 Juvenile Delinquency 3 hrs.

A study of what society defines as delinquent behavior and of the young people designated as delinquents. Emphasis will be placed on the causes of delinquency and on the various techniques and methods of prevention, treatment and rehabilitation. PR: SOCY 2200.

SOCY 3360 Methods of Social Research 3 hrs.

This course is an introduction to the planning and implementation of social research projects. Students will consider the topics of variables and hypotheses, flowcharts, tables, questionnaires, coding instructions and data sheets, machine processing and survey analysis of the data. PR: SOCY 2240.

SOCY 3380 Afro-American History and Culture 3 hrs.
A multi-disciplinary approach to black culture in American life, from African civilization to the American Civil War. (Credit in History or Sociology) PR: SOCY 1110

SOCY 3381 Blacks in America: 1865 to the Present 3 hrs.
An in-depth study of the history and culture of African-Americans in the United States, from 1865 to the present. (Credit in History or Sociology)

SOCY 3390 Social Movement 3hrs.
This course will introduce students to paradigmatic theories of social movement. Topics covered may include conditions under which social actors organize collectively to engage in social change; how theorists understand these movements, their emergences, their potentials, and their successes or failures; and the state of social movement along with collective politics in "complex" societies. This course will introduce students to both mainstream theories of social movement and alternative ways of conceptualizing contemporary social movement. PR: SOCY 2220.

SOCY 4410 Industrial Sociology 3 hrs.
A study of the organization, structure, function and social relationships found in the various areas of industrial activity in American society. The area of industrial relations will receive special emphasis. PR: SOCY 1110.

SOCY 4430 Community Organization 3 hrs.
A study of the structure and function of various social groupings found in the community. The course is oriented toward the development of community leadership talent. PR: SOCY 2200.

SOCY 4450 Minority Groups 3 hrs.
A study of racial and cultural minority groups in the United States, with special emphasis upon understanding the causes of their perseverance and the reason for majority-minority antagonisms. Students will also examine the techniques whereby prejudices are developed and ameliorated. PR: SOCY 2200.

SOCY 4461 Advanced Methodology 3 hrs.
This course will critically compare the various stages of social research, such as conceptualization of hypothesis, measurement, experimental design, sampling, data collection, data analysis and data interpretation. Within this format, various special topics will be developed, depending upon the available resources. PR: SOCY 3360 or Instructor Approval Required.

SOCY 4470 Sociological Theory 3 hrs.
Writing Intensive
A study of the historical development of modern sociological thought. PR: ENGL 1108 and SOCY 3360.

SOCY 4471 Advanced Sociological Theory: A Critical Review 3 hrs.
A comparison, contrast and critical examination of certain selected sociological theorists. PR: SOCY 4470 or Instructor Approval Required.

SOCY 4490 Seminar: Sociological Literature 3 hrs.
A course focusing on original sources and publications not primarily used as texts. PR: SOCY 4470 or Instructor Approval Required.

SOCY 4491 Seminar: Sociological Literature 1-3 hrs.
A course focusing on original sources and publications not primarily used as texts. PR: SOCY 4470 or Instructor Approval Required.

SOCY 4492 Seminar: Sociological Literature 1-3 hrs.
A course focusing on original sources and publications not primarily used as texts. PR: SOCY 4470 or Instructor Approval Required.

SOCY 4497 Seminar: Special Problems in Sociology 3 hrs.
Open only to juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's needs. PR: SOCY 4470 or Instructor Approval Required.

SOCY 4498 Seminar: Special Problems in Sociology 1-3 hrs.
Open only to juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's needs. PR: SOCY 4470 or Instructor Approval Required.

SOCY 4499 Seminar: Special Problems in Sociology 3 hrs.
Open only to juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's needs. PR: SOCY 4470 or Instructor Approval Required.

SOCY 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

SPANISH

SPAN 1101 S-FSU Elementary Spanish I 3 hrs.
Designed for the student with little or no prior experience with Spanish. Students will practice Spanish pronunciation and will learn basic grammar as they develop skills in reading, writing, speaking and comprehension. Students will develop communication skills in situations related to everyday living, both at home and in the workplace. Students with two years or more of high school Spanish should register for SPAN 1102.

SPAN 1102 S-FSU Elementary Spanish II 3 hrs.
A continuation of Spanish 1101. Students expand their skills and knowledge of grammar while reading, writing, speaking and building a broad vocabulary base. Students will develop communication skills in situations related to everyday living, both at home and in the workplace. PR: SPAN 1101 or equivalent.

SPAN 1199 Special Topics 3 hrs.
Studies in selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

SPAN 2200 Language Through Video 3 hrs.
A video-based course designed to maximize the student's exposure to the target language. Students independently watch Destinos and are tested on their comprehension of the material. PR: SPAN 1102.

SPAN 2201 S-FSU Intermediate Spanish I 3 hrs.
Students integrate the grammar studied with the skills acquired in Spanish 1101 and 1102, and become familiar with more sophisticated grammatical structures. The course will focus on reading, writing, and communication skills in situations related to everyday living, both at home and in the workplace. PR: SPAN 1102. Offered every other semester.

SPAN 2202 S-FSU Intermediate Spanish II 3 hrs.
The fourth and last course of the basic language program, this course is a continuation of SPAN 2201. The course emphasizes the development of speaking, listening, reading, and writing skills for effectively communicating in Spanish at the intermediate level within a cultural-based context. At the end of this course students should have attained a skill level of intermediate in all four skills mentioned above, the communicative modes (Interpersonal, Interpretive, and

Presentational), and the five goals (Communication, Cultures, Connections, Comparisons, and Communities) recommended by the Proficiency Guidelines classifications of the American Council on Teaching Foreign Languages (ACTFL). Students participate in pair, small-group and whole-class activities that focus on the meaningful and accurate communication of information in the target language. The class is conducted entirely in Spanish. PR: SPAN 2201.

SPAN 2250 Spanish For the Medical Professions 3 hrs.

This course is designed to enable the student to effectively manage the fundamentals of medical terminology in Spanish. PR: SPAN 1102. Offered on demand.

SPAN 2251 Spanish For Criminal Justice 3 hrs.

This course enables the student to effectively manage the fundamentals of law enforcement terminology in Spanish. PR: SPAN 1102. Offered on demand.

SPAN 2252 Spanish For a World Economy 3 hrs.

This course is designed to enable the student to effectively manage the fundamentals of business terminology in Spanish. PR: SPAN 1102. Offered on demand.

SPAN 3300 Undergraduate Student Exchange 3-6 hrs.

Any student who participates in an exchange program which is approved by his/her advisor may receive three to six credit hours, depending upon the type of program and its duration. PR: SPAN 1102.

SPAN 3301 Spanish Composition and Conversation I 3 hrs.

Writing Intensive

This course is designed for students who wish to develop proficiency in Spanish by integrating the four language skills and also increase their knowledge of Hispanic cultures and societies using authentic materials and literature. Students who enroll in this course should already have attained an acceptable proficiency in Spanish. This course should help students to develop their Spanish proficiency across three communicative modes (Interpersonal, Interpretive, and Presentational), and the five goals (Communication, Cultures, Connections, Comparisons, and Communities) recommended by the Proficiency Guidelines classifications of the American Council on Teaching Foreign Languages (ACTFL). Classroom activities are highly interactive and focus on speaking and writing in the target language at an advanced level. PR: SPAN 2202.

SPAN 3302 Spanish Composition and Conversation II 3 hrs.

This course, a continuation of SPAN 3301, is designed for students who wish to acquire a solid knowledge of those major points of Spanish grammar. Students who enroll in this course should already have attained an acceptable proficiency in using Spanish. Through discussion and correction of assigned exercises, analysis of authentic readings, and contrastive study of Spanish and English syntax and lexicon, students will develop an awareness of the norms of standard Spanish with the aim of incorporating these features into their own oral and written linguistic production. Classroom activities focus on writing in the target language at an advanced level. SPAN 3301 and 3302 can be taken in any order, but it is strongly recommended to take 3301 before 3302. PR: SPAN 2202.

SPAN 3310 Spanish Civilization and Culture 3 hrs.

The students will study the history, civilization, and culture of Spain through extensive reading, videos, writing and class discussion. PR: SPAN 3301 or 3302.

SPAN 3320 Latin American Civilization and Culture 3 hrs.

The students will study the history, civilization, and culture of Latin America through extensive reading, videos, writing and class discussion. PR: SPAN 3301 or 3302. Offered every other semester.

SPAN 3350 History of the Spanish Language 3 hrs.

This class is an introduction to the historical development of the Spanish lexicon, morphology, and phonology. It is designed for the student with little or no previous background in linguistics. PR: SPAN 3301 or 3302. Offered on demand.

SPAN 4400 Survey of Latin American Literature 3 hrs.

This class covers the major movements in Latin American literature, from Pre-Colombian times through the present. Students will be exposed to the major genres (poetry, prose, and drama) through extensive reading and will become familiar with the greatest writers of Hispanic literature. PR: SPAN 3301 or 3302. Offered every other year.

SPAN 4401 Survey of Peninsular Literature 3 hrs.

This class focuses on the major movements in Peninsular literature, from the Spanish Middle Ages through the present. Students will be exposed to the major genres (poetry, prose, and drama) through extensive reading and will become familiar with the greatest writers of Spanish literature. PR: SPAN 3301 or 3302. Offered every other year.

SPAN 4402 Independent Study 3-6 hrs.

Students may participate in a variety of programs designed to help them attain a higher level of fluency and a greater understanding of Hispanic culture. PR: SPAN 4400 or 4401, and Instructor Approval Required.

SPAN 4418 US Hispanic Cultures & Literature 3 hrs.

This course studies the history of the Hispanic presence in the US, its influence upon contemporary US culture, society, and economy and the politics of language. Materials studied include newspaper articles, essays, films and plays. PR: SPAN 3310 or 3320. Offered on demand.

SPAN 4431 Methods: Second Language Acquisition in the Classroom 3 hrs.

Taught in English. In this class, foreign language teaching majors will study the methodology of second language acquisition and its application in the classroom, familiarize themselves with national foreign language instruction standards, design lesson plans, teach mini-lessons, participate in peer evaluation and become familiar with the latest pedagogical technologies available. PR: SPAN 4400 or 4401, and Instructor Approval Required. Offered on demand.

SPAN 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level. Repeatable. Instructor approval required.

TECHNOLOGY

TECH 1100 Technology and Society 3 hrs.

A study of the basic knowledge and understanding of the societal impacts of technology. Students will research basic fields in technology such as medicine, manufacturing, communication, transportation, biotechnology, environmental issues, technology transfer, and appropriate technology, to determine current trends. Students will be required to select one area where technology has affected society in a positive and/or negative way. Each student will be required to research and make an oral presentation on the selected topic.

TECH 1101 S-FSU Introduction to Technology 3 hrs.

This course is intended as a survey of the discipline of technology. The goal of the course is to foster some measure of technological literacy and an understanding of the uniqueness of technology in human endeavors. Instruction will consist of lectures, media presentations, discussions and hands-on laboratory.

TECH 1102 Preventive Maintenance 3 hrs.
This course is the beginning class for all students interested in a heavy equipment career. Many employers require a commercial driver's license of the employee. This course supports a CDL by providing the student with instruction on preventive maintenance practices, scheduled procedures, documents, and D.O.T. required record system and on determining the needs for repair.

TECH 1104 Technology Design & Problem Solving 3 hrs.
This course provides incoming students with the prerequisite knowledge and skills for required technology systems classes that follow. Students will study the philosophy, rationale, and current curriculum trends in Technology Education. The course will also focus on basic design and drafting techniques, laboratory and machine tool safety practices and design and problem-solving processes used in technological career fields. Class methodology will include both lecture and applied experiences with tools, equipment and processes of technology.

TECH 1150 Control Technology 3 hrs.
This course addresses the mechanical, fluid, electrical, electronic and computer instrumentation used to regulate technical products and systems. Students will develop knowledge and skills of common control-related components/devices and apply them to the solution of practical problems found in typical technology education settings. CR: TECH 1104.

TECH 1199 Special Topics 1-12 hrs.
A study of special topics of educational, technical, or industrial concern. PR: Instructor Approval Required.

TECH 2202 Transportation I 4 hrs.
A study of the means by which mass is moved from one point to another. This will be achieved by studying the propulsion, guidance, control, suspension, structure and support elements of a wide variety of transportation subsystems. Students will complete an historic timeline of transportation and will deliver an oral presentation on a specific transportation propulsion system. PR: TECH 1104.

TECH 2203 Manufacturing I 4 hrs.
This course deals with an introduction to the inputs, processes and outputs of the manufacturing system. The methodology of the course will involve students with selected research, development and production processes of the manufacturing system. More specifically, each student will design and engineer a middle school- or high school-level product. They will then perform selected production planning, plant engineering, and quality control activities to prepare their product for mass-production. The results of these activities will be developed into camera-ready copy production packets. Finally, each student will set up a production line for the class to mass-produce a limited number of their products, using jigs, fixtures, and/or other mass-production related tooling. PR: MANF 1100, TECH 1104.

TECH 2204 Construction I 4 hrs.
This introductory course in construction is designed to acquaint students with the impacts of construction on society, basic concepts of architectural design, construction accoutrements (materials, tools and equipment), specifications and contracts, and processes involved in residential construction. Students will complete an historic timeline of construction and will deliver an oral presentation on a specific residential construction topic. Students will perform several traditional construction activities such as materials testing, card structures, and building a residential model. PR: TECH 1104, MANF 1100.

TECH 2250 History of Technology 3 hrs.
A survey course from prehistorical tool-making to atomic energy and computers in the twentieth century. Credit in History or Technical Education.

TECH 2290 Engineering Analysis I 4 hrs.
This course covers technical problem solutions, utilizing analytical geometry and calculus. Topics include curvilinear motion, related rates, curve sketching, maximal and minimal problems, areas, volumes, centroids and moments of inertia by integration. PR: Sophomore standing. MATH 1102 with a grade of C or better or MATH ACT 25.

TECH 2299 Special Topics 1-12 hrs.
A study of special topics of educational, technical, or industrial concern. PR: Instructor Approval Required.

TECH 3300 Engineering Analysis II 4 hrs.
A continuation of the study of problem-solving procedures, utilizing calculus. Topics include transcendental functions, partial derivative, double integration, methods of curve fitting, series expansion and differential equations. PR: TECH 2290 or MATH 1185, or MATH 1190 with a grade of C or better.

TECH 3301 Communication 4 hrs.
This is a study of the technical means by which humans communicate. The emphasis will be on electronic and graphic forms of communication. The social/cultural aspects of communication will be studied, as well as the technical components. The course is designed for prospective junior and senior high school technology education teachers, and will be focused on general education. PR: INFO 1100, TECH 1104.

TECH 3302 Manufacturing II 4 hrs.
This course deals with the analysis of the inputs, processes and outputs of the manufacturing system. The methodology of this class is to simulate the organization and operation of a manufacturing corporation. Students will elect a board of directors and a company president and will organize departments in research and development, industrial relations, finance, production and marketing. The class will design and engineer a college-level product, plan for mass-production, finance the production through common stock sales or other financial means, mass-produce the product, and market it in the school or local community. PR: TECH 2203.

TECH 3303 Transportation II 4 hrs.
A study of the means by which mass is moved from one point to another. This will be achieved by studying the environments system elements, and social/cultural aspects of the transportation system. The course is designed for prospective junior and senior high school technology education teachers, and will be focused on general education. PR: TECH 2202.

TECH 3304 Construction II 4 hrs.
This course deals with an analysis of the inputs, processes, and outputs of the construction system. The methodology of this course will involve selected structural design and analysis, and structural production processes which are used by humans to construct building structures, non-building structures (bridges, tunnels, dams, etc.) and transportation structures/surfaces. This course is designed to provide teacher education majors with an overall view of the construction system that can be applied to middle school and high school classroom situations. The primary methodology in this course is structural model building and testing. PR: TECH 2204.

TECH 3310 Man and Technology 3 hrs.
A historical study of humans and technology as a basis for the development of contemporary philosophical systems. PR: Junior standing.

TECH 3331 Organization and Administration of Technology Education 4 hrs.
This course is designed to prepare the pre-service technology education teacher to effectively organize and manage a technology education classroom and laboratory. Emphasis is placed on safety system design, discipline planning, laboratory organization and management, requisitioning/supplies/equipment, machine

maintenance and facility design. Also included are topics relating to curriculum trends, Technology Student Association (TSA) and public relations. PR: TECH 3303 and 3304.

TECH 3393 Future Global Crises 3 hrs.
A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are subject to students' choice. (Credit also available in Political Science or Psychology) PR: Junior standing.

TECH 3399 Special Topics 1-3 hrs.
A study of special topics of educational, technical or industrial concern. PR: Instructor Approval Required.

TECH 4400 Work Experience Seminar 4 hrs.
A functional analysis of industrial organization and management, and the implementation of these concepts toward the initiation of a new industry. PR: Sophomore standing as a Technology major or Instructor Approval Required.

TECH 4401 Work Experience Laboratory 8 hrs.
Professional work experience, including employer evaluation. PR: Instructor Approval Required.

TECH 4431 Methods and Materials for Teaching Technology Education 3 hrs.
This course is designed to prepare the pre-service technology education teacher to effectively teach the range of students in grades five through twelve in the public schools. Emphasis is placed on designing a unit of instruction in one of the four technology education system areas. The primary assignment is the preparation of a unit of study that will include the following topics: a rationale, course/unit planning, lesson planning, instructional objectives, instructional strategies and student evaluation/grading. PR: TECH 3301 and 3331.

TECH 4499 Special Topics 1-3 hrs.
A study of special topics of educational, technical, or industrial concern. PR: Instructor Approval Required.

TECH 4998 Undergraduate Research 0-6 hrs.
Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

THEATRE

THEA 1110 Introduction to Theatre 3 hrs.
This course provides an overview of the purposes and organization of the theatre and allied areas and the functions of all of the jobs related to a theatrical presentation. Students will examine artistic, performer, director, designer, technicians, and Ô'front-of-house" operations and the theatre as a profession, and will learn about professional organizations and securing employment. Fall semester only.

THEA 1114 Body Training and Stage Movement 3 hrs.
Care, control and use of the body as an instrument basic to performance (acting, singing, dancing). Spring semester only.

THEA 1120 S-FSU Theatre Appreciation 3 hrs.
A general theatre course that serves as an introduction to traditional and more recent developments in Western and non-Western theatrical practice. Students are encouraged to develop their own perspectives and critical skills by means of studying selected writings of theatre practitioners and critics, and by seeing and evaluating campus theatre productions.

THEA 1140 Theatrical Production 2 hrs.
Lecture course introducing the student to the principles and techniques of the organization, planning, and execution of technical theatre production, including scenery, properties, lighting, costuming, sound and stage management.

THEA 1148 S-FSU Theatre Workshop I 1 hr. Repeatable up to 4 hrs.
Students in this course are assigned to Masquers productions and studio theatre productions. Opportunities are provided for experience in all areas of technical theatre, such as scenic construction, properties, lighting, costume and sound crews, depending upon the proficiency of the student. No more than one hour can be earned during a semester. Open to freshmen and sophomores. (Juniors and seniors, see THEA 3348).

THEA 1151 Text Analysis 3 hrs.
This course provides a basic introduction to the processes, techniques and applications of text analysis as they relate to the activities and responsibilities of theatre artists - acting, directing, designing, etc. Spring semester only.

THEA 1160 Technical Theatre Practicum: Costuming I 1 hr.
Practical experience in varied aspects of costuming through work on Masquers productions or other staged events. Open to freshmen and sophomores.

THEA 1162 Technical Theatre Practicum: Lighting I 1 hr.
Practical experience in varied aspects of lighting through work on Masquers productions or other staged events. Open to freshmen and sophomores.

THEA 1164 Technical Theatre Practicum: Properties I 1 hr.
Practical experience in varied aspects of properties through work on Masquers productions or other staged events. Open to freshmen and sophomores.

THEA 1166 Technical Theatre Practicum: Scenic I 1 hr.
Practical experience in varied aspects of scenic work through work on Masquers productions or other staged events. Open to freshmen and sophomores.

THEA 1168 Technical Theatre Practicum: Sound I 1 hr.
Practical experience in varied aspects of sound through work on Masquers productions or other staged events. Open to freshmen and sophomores.

THEA 1199 Special Topics in Theatre 1-3 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. Maximum credit per semester: one hour.

THEA 2212 S-FSU Theatrical Makeup 1 hr.
Fundamentals of the theory and technique of designing and applying theatrical makeup, including laboratory experience and practical experience with Masquers productions and studio theatre productions. Fall semester only.

THEA 2220 S-FSU Oral Interpretation 3 hrs.
This course provides an introduction to the study and practice of the principles involved in understanding the meaning of prose, poetry and dramatic literature, and the effective transmission of that meaning to an audience. Spring semester only.

THEA 2228 Oral Interpretation Practicum I 1-4 hrs.
Preparation for and participation in public performances, intercollegiate competitions and festivals in oral interpretation. Maximum credit allowable per semester is one hour. Open to

freshmen and sophomores. (Juniors and seniors, see THEA 4428.) PR: THEA 2220.

THEA 2230 S-FSU Acting 3 hrs.
This course is an introduction to the theory and practice of fundamental acting techniques for the stage. PR: THEA 1151. Instructor Approval Required. Fall semester only.

THEA 2238 S-FSU Acting Workshop I 1 hr.
Credit is earned for public performance in faculty-directed Masquers productions. Maximum credit allowable per semester is one credit hour. Open to freshmen and sophomores. (Juniors and seniors see THEA 4432.)

THEA 2244 S-FSU Introduction to Theatrical Design 3 hrs.
An introduction to the principles of theatrical design, including scenic, lighting and costume design. Spring semester only. PR: THEA 1140 and 1151.

THEA 2251 Playwriting 3 hrs.
The course explores the theory and practice of the playwright's art, and involves instruction in the craft of playwriting and the creation of original scripts for the theatre. Students will learn how to write for the stage, as opposed to the page. A fully developed short play will be required. PR: THEA 1151, 2230. Fall semester only, in odd years.

THEA 2262 Production Practicum I 1 hr.
Credit is earned for practical experience in varied aspects of technical theatre production, including scenery, lighting, costuming, properties and sound, through work on Masquers productions. Maximum credit allowable per semester is one credit hour. Open to freshmen and sophomores. PR: THEA 1148.

THEA 3305 Voice for the Stage 3 hrs.
This course is a continuation of THEA 1105, with specific emphasis on using the vocal instrument in the interpretation of texts and the creation of characters and dialects. PR: THEA 1105 or COMM 1105, THEA 1151. Spring semester only, in even years. Pre-Theatre, Theatre, Theatre Education, Oral Communication Majors only.

THEA 3314 Advanced Theatrical Makeup 1 hr.
Practice in advanced design and application of theatre makeup, through work on Masquers productions and studio theatre productions. PR: THEA 2212. Spring semester only, in odd years. Pre-Theatre, Theatre, Theatre Education, Oral Communication Majors only.

THEA 3320 The Art of Storytelling in Theory and Practice 3 hrs.
The emphasis of the course will be on both the theory and research related to storytelling and the art of storytelling as performance. In this performance-based course, students will select, craft, rehearse and perform stories suitable to a variety of audiences. Students enrolled in this course are required to attend the National Storytelling Festival in Jonesborough, Tennessee. Also listed as FOLK 3320 and COMM 3320

THEA 3326 Performance Studies 3 hrs.
The course explores the theories and practices of approaching performance as a way of knowing. Through theatre exercises and personal discovery, students research, create and perform a solo piece for the stage. PR: THEA 2230. Fall semester only, in even years. Pre-Theatre, Theatre, Theatre Education, Oral Communication Majors only.

THEA 3330 Advanced Acting 3 hrs.
This course is a continuation of THEA 2230, with specific emphasis on the exploration and application of twentieth-century acting theories applied to both realistic and non-realistic plays. PR: THEA 2230. Spring semester only, in odd years. Pre-Theatre, Theatre, Theatre Education, Oral Communication Majors only.

THEA 3336 Directing 3 hrs.
Principles and techniques of play directing. Special attention is given to directing problems in educational theatre: play selection, budgeting, casting, mounting and staging, public relations and coordination of crafts. PR: THEA 1140 and THEA 2230. Spring semester only. Pre-Theatre, Theatre, Theatre Education, Oral Communication Majors only.

THEA 3340 Theatre History I 3 hrs.
Writing Intensive
A study of the development of theatre from its beginnings through the eighteenth century. PR: ENGL 1108 and THEA 1151. Fall semester only, in even years.

THEA 3341 Theatre History II 3 hrs.
Writing Intensive
This course is a continuation of THEA 3340, exploring the development of theatre from the nineteenth century to the present. PR: ENGL 1108 and THEA 1151. Spring semester only, in odd years.

THEA 3344 Advanced Theatrical Design 3 hrs.
This course will involve completed projects in scenic, lighting and costume design. Students will apply theory and introductory techniques and skills presented in the beginning course. Fall semester only, in odd years. PR: THEA 2244. Pre-Theatre, Theatre, Theatre Education, Oral Communication Majors only.

THEA 3346 Creative Puppetry 3 hrs.
The course explores the theories and practices of puppetry as an artistic performance and as an educational tool. Projects in this course will include puppet design, construction and performance. Emphasis will be placed on teaching the National Standards in Theatre as well as on ways to use puppets across the curriculum. Fall semester only, in odd years.

THEA 3348 Theatre Workshop II 1 hr. Repeatable up to 4 hrs.
Students in this course are assigned to Masquers mainstage and studio theatre productions. Opportunities are provided for experience in all areas of technical work, such as scenic construction, properties, lighting, costume and sound crews, depending upon the proficiency of the student. No more than one hour can be earned per semester. Open to juniors and seniors. (Freshmen and sophomores see THEA 1148.)

THEA 3350 Children's Drama 3 hrs.
Writing Intensive
A lecture course providing an introduction to the theories and techniques involved in both creative drama for children and children's theatre. Spring semester only, in even years. PR: ENGL 1108.

THEA 3352 Creative Drama 3 hrs.
The course explores the history, theories and practices of playmaking, storytelling, creative drama and theatre-in-education as they are used in educational settings with diverse populations. Projects in this course will also apply drama techniques across the school curriculum. Fall semester only, in even years.

THEA 3354 Theatre Education Practicum 1 hr.
This course involves the application of theories and techniques of children's theatre, creative dramatics and puppetry under supervision with diverse populations in educational settings. PR: THEA 3346, 3350 and 3352.

THEA 3356 Summer Theatre: Rehearsal and Performance 1-3 hrs.
Systematic rehearsal and public performance with Town & Gown Summer Theatre. Designed for students who desire concentrated stage training and experience. Roles are dependent upon directors' selection and hours of credit desired. PR: Auditions.

THEA 3358 Summer Theatre: Production and Management 1-3 hrs.

Experience provided in every phase of theatrical production and some phases of theatre management, in conjunction with Town & Gown Summer Theatre. Experiences include set construction, lighting, costumes, makeup, box office, house management and publicity. Assignments dependent upon hours of credit desired. Instructor Approval Required.

THEA 3360 Technical Theatre Practicum: Costuming II 1 hr.

Practical experience in varied aspects of costuming through work on Masquers productions or other staged events. Open to juniors and seniors.

THEA 3362 Technical Theatre Practicum: Lighting II 1 hr.

Practical experience in varied aspects of lighting through work on Masquers productions or other staged events. Open to juniors and seniors.

THEA 3364 Technical Theatre Practicum: Properties II 1 hr.

Practical experience in varied aspects of properties through work on Masquers productions or other staged events. Open to juniors and seniors.

THEA 3366 Technical Theatre Practicum: Scenic II 1 hr.

Practical experience in varied aspects of scenic work through work on Masquers productions or other staged events. Open to juniors and seniors.

THEA 3368 Technical Theatre Practicum: Sound II 1 hr.

Practical experience in varied aspects of sound through work on Masquers productions or other staged events. Open to juniors and seniors.

THEA 3375 Development of Dramatic Art 3 hrs.

Writing Intensive

Study of the works of major playwrights and critical theorists of Western and non-Western theatre. Fall semester only, in even years. PR: ENGL 1108.

THEA 3392 Costume History and Design 3 hrs.

History of wearing apparel and appointment, with emphasis on the Western world. The course begins with the Egyptians and goes up to the present day, and offers an introduction to the principles of costume design. Fall semester only, in odd years. PR: THEA 2244.

THEA 4428 Oral Interpretation Practicum II 1-4 hrs.

Preparation for and participation in public performances, intercollegiate competitions and festivals in oral interpretation. Maximum allowable credit per semester is one hour. Open to juniors and seniors. (Freshmen and sophomores, see THEA 2228.) PR: THEA 2220. Instructor Approval Required.

THEA 4432 Acting Workshop II 1 hr.

Credit is earned for public performance in faculty-directed Masquers productions. Maximum allowable credit per semester is one hour. Open to juniors and seniors. (Freshmen and sophomores see THEA 2238.)

THEA 4438 Senior Comprehensive Project 3 hrs.

The course consists of a capstone experience that assesses student understanding of the theories and practices studied and developed throughout the program. A significant production/research project is designed and executed with the guidance of a faculty mentor. Senior standing. Pre-Theatre, Theatre, Theatre Education, Oral Communication Majors only.

THEA 4462 Production Practicum II 1 hr.

Credit is earned for practical experience in varied aspects of technical theatre production, including scenery, lighting, costuming, properties and sound, through work on Masquers productions or other staged events. Maximum allowable credit per semester is one hour. Junior or Senior standing. Instructor Approval Required. PR: THEA 1148.

THEA 4480 Theatre Business Management and Promotion 3 hrs.

Study of theatre management procedures, including responsibilities and practices in business management, box office management and house management and the study of the responsibilities and practices in theatre promotion, including the use of the media. Spring semester only, in even years.

THEA 4484 Theatre Business Management Practicum 1 hr.

Practical experience in varied aspects of business management, including box office assignments through work with Masquers and other productions. Instructor Approval Required.

THEA 4488 Promotion Practicum 1 hr.

Practical experience in varied aspects of theatrical promotion through work on Masquers productions. Instructor Approval Required.

THEA 4490 Directed Study in Theatre 1 hr.

The student selects directed study in any area of theatre which is not treated in the theatre course offerings. Course designed by student and selected faculty, with approval of the School's Dean. Instructor Approval Required.

THEA 4998 Undergraduate Research 0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor Approval Required.

VETERINARY TECHNOLOGY

VETT 1113 Introduction to Veterinary Technology 2 hrs.

This course will introduce the student to the field of Veterinary Technology. The history of veterinary medicine, the origin of veterinary technology, advancements in the field of laws and ethics will be discussed. During the second portion of this course, the student will learn the groups of dogs, the common breeds of dogs and cats, behaviors and genetic predispositions to diseases, and how to choose a pet. Breed standards and pet shows will also be presented. Designed for the beginning Veterinary Technology student as a required course, but is also open for any student interested in the field of veterinary technology. Offered in the fall of every year.

VETT 1115 Clinical Techniques 3 hrs.

Students in the Veterinary Technology Program will be introduced to the basic restraint and handling techniques of dogs and cats. Students will learn about animal behavior and the human-animal bond; as well as animal and human communication. Introductory techniques will be taught and performed as well as providing the students with hands-on instruction with program animals. Hospital design and practice management are also addresses. Two hours lecture and two hours lab per week. PR: Admission to the VT Program.

VETT 1116 Clinical Procedures 5 hrs.

The students will study and apply radiographic procedures, basic bandaging and external fixation techniques, surgical nursing, instrument and equipment care, and application of veterinary anesthesiology. The pharmacology of veterinary preanesthetics and anesthetics will be covered. Necropsy and tissue sampling techniques will be practiced. 3 hrs. lectures and two two-hour labs each week. PR: VETT 1115. Spring Semester.

VETT 1122 Veterinary Pharmacology 3 hrs.

Drug laws and regulations are reviewed. The principles, simplified chemistry, and basic concepts of pharmacology are covered. The more common drugs and their variations among species are presented. A survey of the biochemistry of metabolism and the role of nutrition in disease treatment is covered. 3 hrs. lecture per week. PR: VETT 1115. Spring Semester.

VETT 1130 Animal Parasitology 3 hrs.

The life cycle, pathologies and management control techniques of the parasites of the common domestic animals will be studied. The laboratory techniques for diagnosing these parasites will be practiced. Two hours lecture and two hours lab per week. VT Majors only.

VETT 1170 Anatomy and Physiology 4 hrs.

This course will introduce the veterinary student to the clinical anatomy (structure) of multiple mammalian species (concentrating on dogs and cats, but including other species) along with a detailed discussion of the physiology (function) of all the body systems that contribute to the maintenance of a viable organism (maintenance of homeostasis). Limited discussion will center on classic pathophysiologies (disease states) with clinical examples. VT Majors only.

VETT 1181 Pleasure Horse Management 2 hrs.

This course will cover all aspects of pleasure horse care and handling. Students will form an appreciation of the complexities of horse ownership, and the responsibilities of maintaining a healthy animal. Topics will include an overview of common breeds, nutrition, transport, health and care issues, and breeding. Open to all students.

VETT 1182 Small Animal Nutrition 2 hrs.

This is an introductory course open to Veterinary Technology and Pre-veterinary Technology students, providing identification and function of nutrients, understanding pet food labels, and applications for wellness, life stage and therapeutic nutrition (prescription foods) for dogs and cats. The course will be a synchronous, interactive internet course with simultaneous audio in the classroom in collaboration with Hill's Pet Nutrition. VT and Pre-VT majors only.

VETT 1199 Special Topics in Veterinary Technology 1-12 hrs.

Special topics will be studied, to be determined by the instructor. VT Majors only.

VETT 2210 Laboratory Animal Techniques I 3 hrs.

The students will study the care, handling and restraint of common laboratory animals. The taxonomy of vertebrate animals is reviewed. Exotics, birds, reptiles, and wildlife will also be covered. Successful completion and six months clinical experience will prepare the student to take the ALAT certification examination by the AALAS. Two hour lecture and one, two-hour lab per week. Open to all students. Spring Semester.

VETT 2212 Health Management of Farm Animals 4 hrs.

The students will study the care, handling and disease prevention of farm animals. They will practice restraint and medication techniques. Interstate regulations and shipping documents will be reviewed. The common domestic breeds of the cow, horse, pig, sheep, and goat will be studied. Several field trips will be included. Two hours lecture and one two-hour labs per week. PR: VETT 1116 and VETT 1122. Fall Semester.

VETT 2217 Clinical Laboratory Procedures 4 hrs.

The students will study theory and practice the laboratory techniques for complete blood and urine analysis, vaginal cytology, analyses of transudate and exudate as related to clinical veterinary medicine. 3 hrs. lecture and four hours lab per week. PR: VETT 2271. Fall Semester.

VETT 2222 Diseases of Domestic Animals 4 hrs.

The body's normal defense systems and their responses to pathology will be presented. Infectious, hormonal, traumatic, and toxicological diseases of domestic animals will be covered. Four hours lecture per week. PR: VETT 2271. Fall Semester.

VETT 2271 Veterinary Preceptorship I 4 hrs.

The student spends 160 hours working with a veterinarian for one summer term. The student will have the opportunity to function as a member of the veterinary staff. The student will be able to apply techniques learned in the classroom. VT Majors only.

VETT 2272 Veterinary Preceptorship II 12 hrs.

The student spends 300 hours in the spring semester working with a veterinarian. The student is expected to function as a full member of a veterinary staff. The student is expected to be able to apply all techniques learned in the classroom and is expected to be able to learn and/or develop variations in techniques learned in the classroom. VT Majors only.

VETT 2299 Special Topics 1-12 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student.

VETT 2995 Seminar for Veterinary Technicians 2 hrs.

This course is concurrent and interrelated with VETT 2272. It is designed to correlate the academic and applied techniques learned by the technician. Variations in techniques will be compared; advanced techniques may be presented. Each student is required to prepare a resume to complete the course requirements as well as an in-depth written scientific report. VT Majors only. Capstone course.

Faculty

Pierpont Community & Technical College

ALBANO, PATRICK (2004)
Associate Professor of Academic Studies-History
B.A., M.B.A. Rutgers University
M.A. East Stroudsburg University
D. Litt. Drew University

ANGELINE, MARY BETH (2006)
Assistant Professor of Academic Studies-Mathematics
B.S., M.A. West Virginia University

ALVAREZ, BARBARA P.(2009)
Coordinator/Associate Professor of Early Childhood
B.S., M.S. West Virginia University

BACZA, GERALD L. (1981)
Dean, School of Business, Aviation and Technology
Professor/Senior Level: Drafting/Design Engineering Technology
B.S. California State College
M.A., Ed.D. West Virginia University

BEIGHLEY, DAVID M. (2005)
Assistant Professor of Academic Studies-English
B.S. Slippery Rock University
M.A. West Virginia University

BENEDETTI, DEBRA (2003)
Writing Coordinator
Associate Professor of Academic Studies-English
B.A., M.A. West Virginia University

BIDWELL, JOELLEN (2009)
Assistant Professor of Academic Studies
B.A., M.A. West Virginia University

BLOOD, PIETER H. (1994)
Professor of Aviation Technology
A.A. Lane Community College
B.S., M.S. Oregon State University

*BOGGESS, LES E. (1997)
Coordinator of Criminal Justice
Associate Professor of Criminal Justice
B.A. Fairmont State College
Pg.D. University of Leicester

*BOLYARD, MARTHA JEAN (1989)
Dean, School of Academic Studies
Professor of Academic Studies-Mathematics
A.A. Potomac State College
B.S., M.A. West Virginia University

*BORN, BEVERLY R. (1995)
Coordinator of Physical Therapist Assistant Program
Professor of Physical Therapist Assistant
B.A., B.S., M.P.A., Ed.D. West Virginia University

CAMPBELL, IRONDA (2004)
Assistant Professor of Academic Studies-Communication
B.S. Norfolk State University
M.A. Stephen F. Austin State University

COFFINDAFFER, KARI CARLSON (2001)
Coordinator of 4-year Graphics Technology
Associate Professor of Graphics Technology
B.A. Fairmont State College
M.F.A. West Virginia University

CORBIN, TRACEY (2005)
Assistant Professor of Emergency Medical Services
A.A.S. Fairmont State College

CRADDOCK, SHERRI (2009)
Assistant Professor of MLT/Laboratory Assistant Programs
A.A.S., B.S. Fairmont State College

CUNNINGHAM, AMY, RHIA, CTR, CPC (2002)
Coordinator of Health Information Technology
Assistant Professor of Health Information Technology
A.A.S. Fairmont State College
B.A. Wheeling Jesuit University
M.Ed. Fairmont State University

CURRAN, TIFFANY (2007)
Director of the WV Child Nutrition Center
Assistant Professor of Food Service Management
B.S. West Virginia University
M.S. Marshall University

DATTA, SUBHRA (2005)
Medical Director of Respiratory Care
B.S. University of Burdwan, India
M.D. University of Calcutta, India
PCE Board Certified Electrologist

DOAK, JAMES R. (2009)
Coordinator of Power Plant Technology
Industrial Arts Education
B.A. Fairmont State College

*FINDLEY, VICKIE (1992)
Associate Professor of Health Information Technology
A.A.S. Fairmont State College
B.S. The Ohio State University
B.S. Fairmont State College
M.P.A. West Virginia University

FLOYD, BRIAN A. (2002)
Coordinator Culinary Arts and Pastry & Baking Arts
Assistant Professor of Food Service Management
B.S. West Virginia University
ACF Certified Executive Chef

FORD, SHELBY (2007)
Associate Professor of Veterinary Technology
B.S. West Virginia University
Ph.D. The Ohio State University

GILBERT, BRAD M. (1992)
Professor of Aviation Technology
B.S. Southern Illinois University
M.B.A. Keller Graduate School

GRUDI, SHERRY (2005)
Instructor of Veterinary Technology
A.A.S. Fairmont State College
RVT Registered Veterinary Technician

*HAMILTON, PAMELA (2001)
Coordinator of Food Service Management
Associate Professor of Food Service Management
Graduate Faculty
Registered/Licensed Dietitian
B.A. Fairmont State College
M.S. West Virginia University

HARDY, STEVEN (2004)
Assistant Professor of Anatomy & Physiology
B.A., Ph.D. West Virginia University

HELWIG, MARGARET (2005)
Assistant Professor of Academic Studies-English
B.S., M.A. Northern Michigan University

*HILL, SUELLEN HEADLEE (1997)
Assistant Professor of Physical Therapist Assistant
B.S. West Virginia University

*HINES, GENEVA (1994)
Instructor of Academic Studies
International Student Advisor
International Student Admissions
Academic Advisor
B.A., M.A. West Virginia University

HOWELL, DONNIE (2009)
Temporary Instructor of Appalachian Basin Oil & Gas Training

JOSEPH, TIMOTHY (2008)
Coordinator of Information Systems
Assistant Professor of Information Systems
B.S. Wheeling Jesuit College
J.D. West Virginia University

KING, LINDA S. (2002)
Math Coordinator
Associate Professor of Academic Studies-Mathematics
B.A. Fairmont State College
M.S. West Virginia University

*LAREW, LALAH L. (1994)
Professor of Academic Studies-Mathematics
B.S., M.S., Ed.D. West Virginia University

*LAWLER, NANCY (1992)
Coordinator of Office Management & Technology
Associate Professor of Office Management & Technology
B.A. Fairmont State College
M.A. West Virginia University

LOSH, RUBY L. (2002)
AMSL Communication Coordinator
Instructor of Academic Studies-Interpreter Training Program
A.A.S., B.S. Fairmont State College

*LOVETT, LESLIE (1990)
MLT Clinical Education Coordinator
Coordinator of Laboratory Assistant Certificate Program
Professor of Medical Laboratory Technology
B.S. Arizona State University
M.S. SUNY at Buffalo

*LUPICA-SCOTT, DEBRA (2000)
Assistant Professor of Academic Studies-English
B.A. Waynesburg College
M.A. West Virginia University

MAHONEY, JAY R. (2008)
Instructor of Food Service Management
Certified Executive Chef
ACF-CEC
Greenbrier Culinary Apprenticeship Graduate

MAINENTI, RAYMOND (2004)
Director of Tutorial Services
Supervisor of Supplemental Instruction
Associate Professor of Academic Studies
B.A., M.A., Ed.D. West Virginia University

*MCCORMICK, RICHARD (2000)
Vice-President for Administration
Assistant Professor of Business
B.S. Steed College
M.B.A. Elon College

MCDONALD, CHRYSTAL (2009)
Assistant Professor of Physical Therapist Assistant Program
M.S., DPT Shenandoah University

NELSON, JO ANN (2008)
Director of Respiratory Care Clinical Education
Instructor of Respiratory Care
A.A. Cuyahoga Community College
B.S. University of Akron

*NEWCOME, BETH ANNE (1984)
Dean, School of Human Services
Coordinator of Applied Design
Professor/Senior Level: Applied Design
B.S., M.S. West Virginia University
Ph.D. The Ohio State University

OLIVER, BEVERLY (2009)
Assistant Professor of Business Technology
B.S. West Virginia Institute of Technology
M.A. Salem International University

PAGAN, RICHARD B. (1997)
Professor of Avionics & Aviation Maintenance Technology
A.A.S. Community College of Air Force
B.S. Liberty University
M.A.S. Embry-Riddle Aeronautical University

PARKS, NANCY W. (2003)
Director of Assessment
Associate Professor of Academic Studies-English
B.A. Fairmont State College
M.A. West Virginia University

PETRY, SANDRA (2007)
Instructor of Early Childhood
B.A. Fairmont State College

RAOL, JAYVIJAY (2004)
Coordinator of 2-year Graphics Technology
Assistant Professor of Graphics Technology
M.S. California University of Pennsylvania
B.E., C.U. Shah College of Engineering and Technology

ROMANO, ANNA M. (2005)
Assistant Professor/Coordinator of Veterinary Technology
A.A.S. Columbus Technical Institute
B.S. Fairmont State College
RVT Registered Veterinary Technician

*ROMESBURG, ROSEMARIE R. (1998)
Dean, School of Health Careers
Coordinator of Medical Laboratory Technology
Professor of Medical Laboratory Technology
B.S., M.S., Ph.D. University of Pittsburgh

SAVCHUK, JAMES (2003)
Assistant Professor of Academic Studies-English
B.A. Thiel College
B.A. Allegheny College
M.A. Bowling Green State University

*SNYDER, DONNA (1987)
Coordinator of Business Technology
Professor of Business Technology
B.A. Fairmont State College
M.A. West Virginia University

STARKS, APRIL (2005)
ITP Program Coordinator
Assistant Professor of Interpreter Training Program
A.A.S., B.A. Fairmont State College
National Association of the Deaf Certified Interpreter, Level IV

STOSE, THOMAS A. (1996)
Director of National Aerospace Education Center
Professor of Aviation Technology
B.S. The Ohio State University
M.S. Colorado State University

STRICKLIN, DONALD (2001)
Faculty Equivalent Academic Professional
A.A.S. Fairmont State College

SWINEFORD, WILLIAM E. (2002)
Instructor of Aviation Technology
A.S. Fairmont State College

TAYLOR, RUSTY (2008)
Instructor of Emergency Medical Services
A.A.S. International Academy of Design & Technology

TOOTHMAN, JOHN C. (2006)
Coordinator of Drafting/Design Engineering Technology
Assistant Professor of Drafting/Design Engineering Technology
B.A. Fairmont State College
M.A. California University of Pennsylvania

VAN BIBBER, DEAN (1994)
Professor of Criminal Justice
Coordinator of Homeland Security
B.A. Mansfield State University
M.S. Villanova University
C.P.O., C.P.O.I.

WALLS, MICHAEL, RRT, LRTR
Coordinator, Respiratory Care Program
B.A. West Virginia University

*WOODS, SANDRA R. (1991)
Professor of Academic Studies-English
B.A. College of Notre Dame of Md.
M.L.A. Johns Hopkins University
Ph.D. West Virginia University

*YOKLEY, ROBERT (2001)
Assistant Professor of Aviation Technology
B.S. Northrop Institute

* Founding Faculty

Fairmont State University

ABBOTT, MELISSA W. (2003)
Associate Professor of Occupational Safety
B.S. Fairmont State College
M.S., Ph.D. West Virginia University

ALLEN, LARRY C. (2000)
Associate Professor of Electronics Engineering Technology
B.S.E.E., M.S.E.E. West Virginia University

ALSHALLAH, MOHAMED (1988)
Associate Professor of Economics/Business Administration
B.S. Baghdad University
M.B.A. University of Bridgeport

BACHLECHNER, MARTINA (2007)
Temporary Instructor of Online Physics
Ph.D. Johannes Kepler Universtät linz

BAKER, J. ROBERT (1994)
Chair, Department of Language and Literature
Director, Honors Program
Professor of English
Graduate Faculty
A.B., M.A., Ph.D. University of Notre Dame

BAKER, RANDALL (1986)
Assistant Professor of Computer Science
B.S. Fairmont State College
M.S. West Virginia University

BAKER, WARREN (1992)
Assistant Professor of Education
B.S., M.S. West Virginia University

BARTOLO, ANN D. (2001)
Temporary Instructor of Criminal Justice
B.A. University of Maine
M.A. Northeastern University, Boston

BATES, JOYCE A. (2005)
Assistant Professor of Nursing
B.S.N., M.S.N. West Virginia University

BAUR, ANDREAS (2000)
Associate Professor of Chemistry
Ph.D. University of Regensburg

BAXTER, HARRY N., III (1985)
Professor of Chemistry
B.S. Clarion University of Pennsylvania
Ph.D. The Pennsylvania State University

BENNETT, MARY LYNNE (2003)
Associate Professor of Music
Graduate Faculty
B.M., B.A. Oberlin College and Conservatory
M.M. West Chester University
D.M.A. University of South Carolina

BERRYHILL, PHILIP (1990)
Professor of Education
Graduate Faculty
B.S. Edinboro University
M.Ed. California University
M.S. West Virginia University
M.P.A., D.Ed. Penn State University

BLANKENSHIP, JOSEPH (2008)
Assistant Professor of Information Systems
Graduate Faculty
B.S, B.A., D.Sc. Robert Morris University

BOGGESS, JENNIFER H. (2002)
Associate Professor of Art
B.A., M.A., M.F.A. West Virginia University

BOLYARD, GARY (1984)
Assistant Professor of Technology Education
B.A. Fairmont State College
M.A. West Virginia University

BOLYARD, JASON (2007)
Temporary Assistant Professor of Civil Engineering Technology
A.S., B.S. Fairmont State College
M.S. West Virginia University

BONI, MARY SHARON (2006)
Dean, School of Nursing & Allied Health Administration
Professor of Nursing
B.S. Alderson-Broaddus College
M.S.N. West Virginia University
Ph.D. The Catholic University of America

BROSCIOUS, DEANNE (2006)
Temporary Assistant Professor of Nursing
B.S.N. West Virginia University
M.S.N. Frontier School of Midwifery and Family Nursing

BRUMFIELD, KEDRICK (2004)
Temporary Instructor of Physical Education
Assistant Football Coach
B.S. Utah State University
M.S. Union College

BURNELL, MARY A., CPA (1989)
Coordinator of Accounting
Associate Professor of Accounting
B.A., B.S. Fairmont State College
M.P.A. West Virginia University

BYERS, JUDY P. (1982)
Director, Frank and Jane Gabor WV Folklife Center
Professor/Senior Level: English
Abelina Suarez Professor
Graduate Faculty
B.A. Fairmont State College
M.A., Ed.D. West Virginia University

CABLE, ROBERT (1991)
Head Athletic Trainer
Instructor of Physical Education
B.S. West Virginia Wesleyan College
M.S. West Virginia University

CASSELL, MACGORINE (1992)
Professor of Business Administration
Graduate Faculty
B.B.A. Fort Valley State College
M.P.A. Atlanta University
Ph.D. United States International University

CHIBA, TORU (2002)
Electronic Services Librarian
Assistant Librarian
B.A. Kansai University
M.A., M.L.I.S. University of Iowa

COMO, TIA M., P.E. (1998)
Professor of Architecture/Civil Engineering Technology
B.S.C.E., M.S.C.E. West Virginia University

CONDRON, ELLEN (1990)
Associate Professor of Nursing
B.S.N., M.S.N. West Virginia University

CRISLIP-TACY, CAROLYN S. (1984)
Associate Dean, School of Education
Professor of Physical Education
B.A. Fairmont State College
M.S., Ed.D. West Virginia University

DAVEY, FRANCES (2009)
Temporary Assistant Professor of History
B.A. Smith College
M.A. College of William & Mary
M.A. University of Delaware

DEMPSEY III, VAN O. (2006)
Dean, School of Education/Health and Human Performance
Interim Dean, Graduate Studies
Professor of Education
B.A., M.A., Ph.D. University of North Carolina at Chapel Hill

DUNLEVY, JAMES O. (1965-69; 1972)
Associate Professor of Mathematics
B.A. College of Steubenville
M.A. Arizona State University

EDWARDS, CONSTANCE (2005)
Assistant Professor of Music
B.M. The College of Wooster
M.M. The University of Akron
D.M.A. The University of Arizona

ELLIOTT, JAMES RUSTY (1989)
Director of Athletics
Temporary Instructor of Physical Education
B.A. Fairmont State College
M.S. West Virginia University

ENGEBRETSON, JEAN, CPA (2008)
Associate Professor of Accounting
B.S., M.P.A. West Virginia University
D.B.A. Cleveland State University

ENSIGN, TODD (2005)
Temporary Assistant Professor of Geoscience
B.S. Northern Arizona University
M.Ed. Northern Arizona University

FITCH, JOHN R. (1970)
Associate Professor of Sociology
B.A., M.A. Syracuse University

FLOOD, MARK R. (1994)
Professor of Biology
B.S. Purdue University
M.S. Washington State University
Ph.D. Utah State University

FRAZIER, ASHLEY (2009)
Temporary Assistant Professor of Nursing
A.S.N. Fairmont State University
B.S.N. West Virginia University

FREEMAN, PHILIP M., AIA (2003)
Associate Professor of Architecture
B.S. Fairmont State College
M.Arch. Virginia Polytechnic Institute and State University

GAILEY, EDWARD (2007)
Assistant Professor of Business Administration
Graduate Faculty
B.S. Cleveland State
M.B.A. Case Western Reserve
Ph.D. Cleveland State

GALLO, VERONICA (2004)
Assistant Professor of Nursing
A.S.N., B.S.N. Fairmont State University
M.S.N. Marshall University

GEORGE, LELAND M. (1984)
Professor of English
S.B., Ph.D. Massachusetts Institute of Technology

GILBERTI, ANTHONY F. (2007)
Dean, College of Science & Technology
Professor of Technology Education
B.S. Fitchburg State College
M.S. Eastern Illinois University
Ph.D. University of Maryland

GIORCELLI, REBECCA (2005)
Coordinator of Information Systems
Associate Professor of Information Systems
Graduate Faculty
BSIE, MSIE, Ph.D. West Virginia University

GOODWIN, JAMES C., II, P.E. (1971)
Associate Professor of Electronics Engineering Technology
B.S.M.E., M.S.M.E. West Virginia University

GOODWIN, SUSAN (1989)
Professor of Mathematics
A.B., M.S., Ed.D. West Virginia University

GREENHAM, JEFF S. (2006)
Assistant Professor of Art
B.F.A. Rochester Institute of Technology
M.F.A. West Virginia University

GURASH, DAN (2008)
Temporary Assistant Professor of Geography/Sociology
B.A. California State University, Fresno
M.R.E. Southwest Baptist Theological Seminary
M. Div. United Theological Seminary
D. Min. Trinity Theological Seminary

HAMMONDS, ROBERT H. (1998)
Cataloging Librarian
Assistant Librarian
B.S., B.A., M.L.S. University of Pittsburgh

HANSEN, GALEN J. (1994)
Professor of Physics
B.S. Brigham Young University
M.S., Ph.D. Utah State University

HARRIS, MELANIE J. ROWE (1971)
Professor of Mathematics
A.B. Fairmont State College
M.A., Ph.D. University of Pittsburgh

HARVEY, ERICA L. (1994)
Director of Strategic Planning and Assessment
Professor of Chemistry
B.A. Wellesley College
Ph.D. California Institute of Technology

HARVEY, RICHARD (1988)
Dean, School of Business
Professor of Finance/Business Law
Graduate Faculty
B.M., M.B.A., J.D. West Virginia University

HAYNES, D. STEPHEN (1970)
Professor of Physics
B.S. Georgia Tech
Ph.D. Florida State University

HEAGY, H. SUZANNE (2008)
Assistant Professor of English
B.A. University of Indiana-Purdue University
M.A., Ph.D. University of Wisconsin-Milwaukee

HEMLER, DEBRA A. (2000)
Coordinator of Geoscience
Professor of Geoscience
Graduate Faculty
B.S. Northland College
M.S., Ed.D. West Virginia University

HESS, RANDY (1982)
Assistant Professor of Physical Education
B.A. Glenville State College
M.S. West Virginia University

HICKS, ALEXIS (2009)
Temporary Assistant Professor of Nursing
A.S.N., B.S.N. Fairmont State University
M.S.N. Marshall University

HILL, LARRY L. (1968)
Assistant Professor of Physical Education
A.B. Fairmont State College
M.A. West Virginia University

HILTZ, SHARON L. (1987)
Professor/Senior Level: English
Graduate Faculty
B.A. Swarthmore College
M.A., Ph.D. University of Pennsylvania

HINTON, GREGORY T. (1989)
Professor/Senior Level: Business Law
A.B. Fairmont State College
J.D. West Virginia University

HIPPOLYTE, ERIN (2006)
Assistant Professor of French
B.A. Hammline University in St. Paul
M.A., Ph.D. University of Rochester

HIVELY, CHARLEY (2007)
Coordinator of Reference and Instructional Services
Assistant Librarian
B.A. University of Charleston/Morris Harvey College
M.A. Marshall University
M.L.S. Clarion University

HOAG, DEBRA (2002)
Assistant Professor of Nursing
A.A.S. South Florida Community College
B.S. Florida Southern College
M.S. University of Phoenix

HOLLINGER, MARIAN J. (2007)
Temporary Assistant Professor of Art
B.A., M.A. University of Tulsa
M.A., Ph.D. University of Toronto

HOKOM, MATTHEW L. (2001)
Associate Professor of English
B.A. University of Puget Sound
M.A., Ph.D. University of Nebraska, Lincoln

HOSSAIN, MAHMOOD (2006)
Assistant Professor of Computer Science
B.S., M.S. University of Dhaka at Bangladesh
M.S., Ph.D. Mississippi State University

HUFFMAN, VALARIE A. (2003)
Director of Bands
Associate Professor of Music
B.A. Fairmont State College
M.M.A. Ohio University
D.M.A. University of Missouri-Kansas City

HUGGINS, PAMELA A. (2002)
Associate Professor of Biology
B.S. University of New England
M.S. University of South Carolina
Ph.D. State University of New York at Stony Brook

HUMBERT, ROXANN (2001)
Associate Professor of Education
Graduate Faculty
B.S., M.S., Ed.D. West Virginia University

HUTCHINS, THELMA J. (2000)
Director of Library Services
Associate Professor of Library Science
A.A. Mars Hill College
B.A. Wake Forest University
B.D. Southeastern Baptist Theological Seminary
M.S.L.S. University of North Carolina, Chapel Hill
Advanced M.S. in LS, Florida State University

INGMAN, JEFFREY (2006)
Assistant Professor of Theatre
B.S. South Utah University
M.F.A. Rutgers University

JONES, GWENDOLYN R. (2003)
Associate Professor of Education
Graduate Faculty
B.A. Eastern Connecticut State University
M.A. University of Connecticut
Ed.D. West Virginia University

JOSHI, TULASI R. (1972)
Professor of Geography
Graduate Faculty
B.A. Tri-Chandra College
M.A. Tribhuban University
M.A. University of Hawaii
Ph.D. University of Pittsburgh

KATO, TADASHI (2003)
Associate Professor of Psychology
Graduate Faculty
B.A., M.A. The University of Tokyo
Ph.D. Ohio University

KELLEY, SUSAN M. (1991)
Professor of English
B.A. University of Michigan
Ph.D. Boston College

KERWIN, VICKI (2007)
Assistant Professor of Nursing
A.S.N. Fairmont State College
B.S.N., M.S.N. West Virginia University

KHALIL, MOHAMAD A. (1988)
Coordinator, Business Administration/Economics
Professor/Senior Level: Business Administration/ Economics
Graduate Faculty
B.S. Baghdad University
M.B.A. Bridgeport University
M.A., Ph.D. West Virginia University

KIEFER, KRISTI A. (1994)
Temporary Assistant Professor of Physical Education
R.B.A., B.A. Fairmont State College
M.S. West Virginia University

KIRBY, GALE T. (1989)
Assistant Professor of Nursing
B.S.N., M.S.N. West Virginia University

KIRBY, JACK R. (2001)
Associate Dean, School of Business
Associate Professor of Business Administration
Graduate Faculty
A.B., M.S., Ed.D. West Virginia University

KIRCHOFF, DENICE (1998)
Associate Professor of Nursing
B.S. University of Pittsburgh
M.S. West Virginia University

KIRK, FRANCENE (2000)
Associate Professor of Communication and Theatre
B.A. Glenville State College
M.A., Ed.D. West Virginia University

LACH, PETER (2002)
Dean, School of Fine Arts
Professor of Theatre
B.A., M.A. DePauw University
M.F.A. University of Iowa

LANDIS-TAYLOR, NANCY (2008)
Temporary Assistant Professor of Psychology
B.S. Fairmont State College
M.A., Ph.D. West Virginia University

LARRY, JOSEPH (1974)
Associate Professor of Sociology/Psychology
B.A., M.S.W. West Virginia University

LARUE, A. DENNINE (2006)
Temporary Assistant Professor of Mathematics
A.B. Fairmont State College
M.S. West Virginia University

LARUE, THEODORE K. (1982)
Assistant Professor of Computer Science
B.S. Fairmont State College
M.A. West Virginia University

LAVORATA, CHRISTINA M. (1999)
Associate Provost
Associate Professor of Education
Graduate Faculty
B.A. Fairmont State College
M.A., Ed.D. West Virginia University

LEE, CHEON-PYO (FRANK) (2009)
Assistant Professor of Information Systems
Ph.D. Mississippi State University

LINDSTROM, DENISE (2008)
Temporary Assistant Professor of Education
B.A. California State University – Chico
M.S. Iowa State University

LONG, DONNA J. (1999)
Associate Professor of English
Graduate Faculty
B.A. University of Tampa
M.A., Ph.D. Florida State University

LOPEZ, MICHAEL A. (2002)
Head Football Coach
Instructor of Health and Physical Education
A.A. Potomac State College
B.S. Fairmont State College
M.S. West Virginia University

MAGRO, ALBERT (1992)
Professor/Senior Level: Biology
B.A. Montclair State College
Ph.D. Rutgers University

MARTIN, ASHLEY M. (1980)
Professor of Physics
B.S. Memphis State University
Ph.D. Florida State University

MATTHEWS, JAMES (2002)
Associate Professor of English
Graduate Faculty
B.A. Saint Vincent College
M.A., Ph.D. Duquesne University

MAZURE, SHARON L. (1997)
Reference and Interlibrary Loan Librarian
Assistant Librarian
B.A. Fairmont State College
M.L.I.S. University of South Carolina

MCCLURE, NANCY C. (1998)
Director, Gaston Caperton Center
Professor of Education
Graduate Faculty
B.S., M.A., Ed.D. West Virginia University

MCDONALD, STEPHEN M. (1994)
WomenÕs Basketball Coach
Instructor of Physical Education
B.S. West Virginia University
M.A. West Virginia Wesleyan College

MCKEEN, ANGELA (2007)
Temporary Assistant Professor of Geoscience
B.A. Fairmont State College
M.A. West Virginia University

MEIGHEN, MARY (1983)
Professor of Nursing
B.S. West Virginia Wesleyan College
M.S., M.S.N., Ed.D. West Virginia University

MICHAEL, BEVERLY (2004)
Assistant Professor of Health Education
B.A., M.S., M.A. West Virginia University

MILD, ROBERT (1988)
Professor/Senior Level: Communication
B.A. West Virginia Wesleyan College
M.A. West Virginia University
Ph.D. University of Pittsburgh

MILLEN-PENN, KENNETH (1995)
Professor of History
B.A. State University College at Oneonta
M.A., Ph.D. SUNY at Binghamton

MOORE, CONNIE S. (1988)
Associate Professor/Senior Level: Nursing
Abelina Suarez Professor
B.S.N., M.S.N. West Virginia University

MOROOSE, DONALD A. (1969)
Professor/Senior Level: Education
Graduate Faculty
B.A. Fairmont State College
M.S., Ed.D. West Virginia University

MORPHEW, KIRK L., AIA, NCARB (2000)
Associate Professor of Architecture
A.S. Central Florida Community College
A.A. Santa Fe Community College
B.S. University of Florida
M. Arch. Virginia Polytechnic Institute & State University

MORPHEW, VALERIE (2000)
Professor of Education
Graduate Faculty
A.S. Central Florida Community College
B.S. The University of West Florida
M.A.Ed. Virginia Polytechnic Institute & State University
Ed.D. West Virginia University

MORRIS, TONY E. (1994)
Professor of Biology
B.S. Bob Jones University
Ph.D. Clemson University

MURPHY, KIMBERLY, CSHM, CSP (1991)
Associate Professor of Occupational Safety
B.S. Fairmont State College
M.S. West Virginia University

MURPHY, TIMOTHY (2002)
Head MenÕs Basketball Coach
Temporary Assistant Professor of Physical Education
B.A. Fairmont State College
M.Ed. Salem-Teikyo University

MUTO, LEISA, CPA (2009)
Assistant Professor of Accounting
B.S., M.P.A. West Virginia University
M.A. Marshall University

MYERS, JENNIFER (2009)
Assistant Professor of Criminal Justice
Graduate Faculty
B.A., M.A., Ph.D. West Virginia University

NESTOR, DEBORAH (1997)
Associate Professor of English
B.A. University of California, Santa Barbara
M.A., Ph.D. University of California, Los Angeles

NICKOLSON, CLAUDIA (2007)
Assistant Professor of Education
Graduate Faculty
B.S. Western Carolina University
M.E., Ph.D. The Pennsylvania State University

NOONE, DIANA C. (2004)
Associate Professor of Criminal Justice
Graduate Faculty
B.A. Virginia Polytechnic Institute and State University
J.D. Widener University School of Law
M.S.W. Catholic University of America
Ph.D. University of Maryland

NOONE, GREGORY (2007)
Assistant Professor of Political Science and Law
B.A. Villanova University
M.A. Catholic University of America
J.D. Suffolk University
Ph.D. West Virginia University

NUZUM, DONNA (1991)
Director of Community Service Learning
Assistant Professor of Community Service Learning
B.A. Fairmont State College
M.A. West Virginia University

O'CONNOR, JOHN E. (1998)
Professor of Theatre
B.S.Ed. Northern Illinois University
M.A. Miami University
Ph.D. University of Washington

OWENS, BARBARA (2005)
Director, FSU PDS Partnerships and Clinical Experiences
B.A. Fairmont State College
M.A. West Virginia University

OXLEY, TIMOTHY (2008)
MBA Program Director
Associate Professor of Business
Graduate Faculty
B.S. Concord University
M.S., Ed.D. Marshall University

PATTERSON, ANNE L. (2004)
Professor of Music
B.A. Georgia College and State University
M.Ed., Ph.D. University of Florida

PIERCE, RICHARD (2005)
Assistant Professor of Education
Graduate Faculty
B.A Southern Methodist University
M.E., Ed.D. Texas A&M

PODLASKOWSKI, ADAM (2009)
Assistant Professor of Philosophy
B.A. University of Michigan
M.A., Ph.D. The Ohio State University

POLAND, MICHELLE (2008)
Instructor of Mechanical Engineering Technology
B.S., M.S. West Virginia University

RADULOVICH, NENAD (2006)
Temporary Assistant Professor of History
& Social Studies Education
B.A., M.S. University of Western Ontario
M.S. Ed. Niagara University

RENEAU, JULIE L. (2009)
Temporary Assistant Professor of Education
Graduate Faculty
B.S. Vanderbilt University
M.Ed. George Peabody College of Vanderbilt University
M.A. West Virginia University

RENEAU, PAUL D. (2002)
Chair, Health and Human Performance
Professor of Physical Education
Graduate Faculty
B.S. West Virginia Wesleyan
M.Ed. George Peabody College of Vanderbilt University
Ph.D. The University of Alabama

RICHARDS, AIMEE (2006)
Temporary Assistant Professor of Communication
Debate Coach
B.A. Bethany College
M.A. West Virginia University

RIESEN, JOSEPH (1992)
Professor of Mathematics
Graduate Faculty
B.A. Moorhead State University
M.A. University of Nebraska, Lincoln
Ph.D. Northwestern University

ROGERS, TANYA L. (2001)
Associate Professor of Nursing
B.S.N. Fairmont State College
M.S.N. West Virginia University
Ed.D. West Virginia University

ROHRBAUGH, CLARENCE C. (2002)
Chair, Department of Behavioral Science
Associate Professor of Psychology
Graduate Faculty
A.A. Allegany Community College
B.S. Frostburg State University
M.S., Ph.D. Kansas State University

ROOF, STEVEN K. (1994)
Professor of Biology
B.S. Kansas State University
Ph.D. Washington State University

ROSE, MARIA C. (1991)
Provost and Vice President for Academic Affairs
Professor of Academic Skills
B.A. Fairmont State College
M.A., Ed.D. West Virginia University

RYAN, MICHAEL (2009)
Assistant Professor of Exercise Education/Health Promotion
B.S. West Virginia University
M.Ed. Auburn University

RYAN, PATRICIA P. (1966)
Professor of Political Science
Graduate Faculty
B.A. American University at Cairo
M.A., Ph.D. West Virginia University

SANFORD, RHONDA L. (1999)
Associate Professor of English
Graduate Faculty
B.A., M.B.A., M.A. University of Colorado at Denver
Ph.D. University of Colorado at Boulder

SAPP, G. H. BUDD (1997)
Professor of Education
Graduate Faculty
B.A. Fairmont State College
M.S., Ed.D. West Virginia University

SAVAGE, ELIZABETH A. (2001)
Associate Professor of English
B.A. James Madison University
M.A. Boston College
Ph.D. Duquesne University

SCANLON, MATTHEW (1991)
Professor of Chemistry
B.A. St. Vincent College
Ph.D. Montana State University

SCHMUCK, MATTHEW (2008)
Assistant to Dean for Outdoor Programming and Outreach
A.A. Garrett College
B.A. Fairmont State College
M.S. West Virginia University

SCHOOLEY, JOHN H. (1970)
Professor of Music
B.S. Mansfield State College
M.M. East Carolina University

SCHWER, MARY ANGELA (1997)
Professor of English
B.A. Ball State University
M.A. Duquesne University
Ph.D. University of Notre Dame

SELLERS, JULIE A, (2010)
Assistant Professor of Spanish
B.A. Kansas State University
M.A. Kansas State University
Ph.D. University of Wyoming

SHAVER, A. JOSEPH (1988)
Professor of Psychology
Graduate Faculty
B.S. Fairmont State College
M.S. University of Central Florida
C.A.S. West Virginia College of Graduate Studies
Ed.D. West Virginia University

SHAVER, ANN V. (1997)
Professor of Psychology
Graduate Faculty
B.A. Fairmont State College
M.A. West Virginia University
Ed.S. West Virginia Graduate College
Ed.D. West Virginia University

SHAW, LENNIE E. (2008)
Chair, Department of Social Studies
Temporary Assistant Professor of Criminal Justice
Graduate Faculty
B.S. Fairmont State College
M.S. Fairmont State University
J.D. West Virginia University

SHIELDS, CHARLES (1996)
Professor of Criminal Justice
Graduate Faculty
B.S. Marshall University
J.D. West Virginia University

SHIELDS, DEANNA (1982)
Dean, College of Liberal Arts
M.S. in Criminal Justice Program Director
Professor of Criminal Justice
Graduate Faculty
B.S., M.S. Marshall University
Ph.D. Indiana University of Pennsylvania

SMITH, KEVIN Z. (2004)
Temporary Assistant Professor of Journalism
Director of Student Publications
B.S.J. West Virginia University
M.A. Miami University (Ohio)

SMITH, SHARON (2004)
Professor of Education
B.A., Fairmont State College
M.A., Ed.D. West Virginia University

SNIVELY, PATRICK M. (2001)
Swim Coach
Temporary Instructor of Physical Education
B.A. Fairmont State College
M.A. West Virginia University

SNYDER, R. BARRY (1967)
Professor of Art
B.A. Southwestern College at Memphis
M.F.A. University of Mississippi

SNYDER, TROY (2004)
Associate Professor of Theatre
B.F.A. West Virginia University
M.F.A. University of North Carolina-Greensboro

SPEARS, SAMUEL (2009)
Assistant Professor of Music
B.M. Furman University
M.M. University of Cincinnati
D.M.A. University of Miami

SURENDRAN, SUNIL (1994)
Professor of Marketing and Management
Graduate Faculty
B.S., M.B.A. Gujarat University
Ph.D. Kent State University

TANNOUS, CAROL (2006)
Coordinator for Pre-Major Student Support
B.S., M.A. Indiana University of Pennsylvania

TOBIN, DONALD L., JR. (2003)
Assistant Professor of Computer Science
B.S. University of Texas at Arlington
M.S. Boston University

TRISEL, DONALD E. (1995)
Professor of Biology
B.S. Heidelberg College
M.S., Ph.D. Miami University of Ohio

TURBANIC, JUDITH A. (1995)
Assistant Professor of Nursing
B.S.N. Villanova University
M.A. New York University

TURCHIN, LINDA (2005)
Assistant Professor of Nursing
B.S.N. Fairmont State College
M.S.N. Marshall University

VASSIL, JAMES E. (2002)
Assistant Professor of Civil Engineering Technology
A.S. Ocean County College
B.S. Fairmont State College
M.S. New Jersey Institute of Technology

VINCENT, BRETT (2004)
Assistant MenÕs Basketball Coach
Temporary Instructor of Health and Physical Education
B.A. Marshall University
M.A. Salem-Teikyo University

WEAVER, ROBERT C. (1988)
Coordinator of Management and Marketing
Associate Professor of Management and Marketing
B.S. Fairmont State College
M.P.A. West Virginia University

WEBB-DEMPSEY, JACI (2008)
Associate Professor of Education
Graduate Faculty
B.A. Methodist College
M.A. UNC Wilmington
Ph.D. UNC Chapel Hill

WEEKLEY, JAMES (2005)
Instructor of Chemistry
B.S. Fairmont State College
M.S. University of Kentucky

WHITE, CRAIG C. (1967)
Professor/Senior Level: Sociology
Graduate Faculty
B.A. Bethany College
M.A., Ed.D. West Virginia University

WILSON, ROGER W. (2002)
Assistant Professor of Information Systems
Graduate Faculty
B.S. General Motors Institute
B.A. Cedarville College
M.Ed. Wright State University
Ph.D. The Union Institute

YEAGER, PHILLIP E. (1999)
Associate Professor of Biology
B.A. University of Northern Colorado
M.S. University of Wyoming, Laramie
Ph.D. University of North Texas

YERDON, JENNIFER (2007)
Assistant Professor of Art
B.F.A. The College of Saint Rose, Albany, New York
M.F.A. West Virginia University

YOUNG, FRANCES T. (1997)
Associate Professor of Nursing
B.S.N. Marshall University
M.S.N. Bellarmine University

YOUNG, JAMES R. (1967)
Associate Professor of Geography
B.S. Morris Harvey College
M.S. Marshall University

ZICKEFOOSE, GARY, P.E. (1984)
Associate Professor of Civil Engineering Technology
B.S.C.E., M.C.E. North Carolina State University
M.B.A. West Virginia University

Emeriti Faculty and Staff

Pierpont Community & Technical College

Nancy J. Cheshire, M.Ed.
Professor Emerita

Paul E. Edwards Ph.D.
Professor Emeritus

Martha (Marty) French, Ed.D.
Professor Emerita

Sister Marie Horvath, M.S.
Professor Emerita

Larry M. Lauffer, M.A.
Professor Emeritus

Sally Tarley, M.A.
Professor Emerita

Fairmont State University

Raymond E. Amos, Ph.D.
Professor Emeritus

John H. Ashton M.F.A.
Professor Emeritus

David C. Batson, M.A.
Professor Emeritus

David R. Bohnke, Ph.D.
Professor Emeritus

Martin L. Bond, Ph.D.
Professor Emeritus

Robert L. Bowers, Ed.D.
Professor Emeritus

William N. Brown, Ph.D.
Professor Emeritus

Joseph Bundy, Ed.D.
Professor Emeritus

Joan Burns, M.S.
Faculty Emerita

Ruth A. Burns, M.A.
Faculty Emerita

Orman A. Buswell, M.S.W.
Faculty Emeritus

George F. Byers, Ph.D.
Professor Emeritus

Colin T. Cameron, M.A.
Professor Emeritus

H. Dotson Cather, M.S.M.E.
Professor Emeritus

Lily Y. Chenshan, Ph.D.
Professor Emerita

Samuel M. Church, Ph.D.
Professor Emeritus

John C. Clovis, II, M.F.A.
Professor Emeritus

Dorothy B. Coffindaffer, M.A.
Faculty Emerita

James E. Coleman, Ph.D.
Professor Emeritus

John Conaway Ed.D.
Professor Emeritus

William D. Creasey, Ph.D.
Professor Emeritus

Glennis H. Cunningham, Ed.D.
Professor Emerita

Roxy Dillon, M.A.
Professor Emerita

Margaret R. Dodge, M.S.
Faculty Emerita

Galen F. Duling, M.A.
Professor Emeritus

Jane E. Dumire, M.S.
Faculty Emerita

Billy G. Dunn, Ed.D.
Professor Emeritus

Harold S. Duvall, M.A.
Professor Emeritus

Frederick Fidura, Ph.D.
Professor Emeritus

Dwight Fowler, M.Ed.
Professor Emeritus

Elizabeth W. Frye, Ed.D.
Professor Emerita

A. Steven Gatrell, Ph.D.
Professor Emeritus

Ruth J. Givens, M.A.
Faculty Emerita

Jeriel M. Gilmer, D.M.S.
Professor Emeritus

Marvin B. Gould, M.B.A.
Faculty Emeritus

Robert M. Grattan, Ph.D.
Professor Emeritus

Carter L. Grocott, M.B.A.
Professor Emeritus

Harry J. Hadley, Ed.D.
Professor Emeritus

Gertrude Hall, M.A.
Professor Emerita

Glenn A. Harman, M.B.A.
Professor Emeritus

Wendell G. Hardway, Ph.D.
President Emeritus

Melva C. Hess, M.S.
Professor Emerita

Margaret Doolittle Hofstetter, Ed.D.
Professor Emerita

Clifford R. House, Jr., M.Ed.
Professor Emeritus

Judith Hoyer-Swanson, M.A., M.S.
Professor Emerita

John P. Hussey, Ph.D.
Professor Emeritus

Bryon Jackson, Ph.D.
Professor Emeritus

Edgar N. Jaynes, M.A.
Professor Emeritus

Helen Jones, Ed.D.
Professor Emerita

Marilynn Jones, M.A.
Professor Emerita

William H. Kerr, M.A.
Faculty Emeritus

Alicia M. Kime, Ph.D.
Professor Emeritus

Wayne R. Kime, Ph.D.
Professor Emeritus

John W. King, M.A.
Professor Emeritus

Deborah M. Kisner, Ed.D.
Professor Emerita

Judith R. Kreutzer, CFS, CFLE, Ed.D.
Professor Emerita

Lois M. Laughlin, M.A.
Professor Emerita

William M. Laughlin, M. A.
Professor Emeritus

Loy W. Leonard, M.A.
Professor Emeritus

Emil R. Lidell, M.A.
Professor Emeritus

Jo Ann Lough, M.A.
Professor Emerita

Aileen Lucas, B.S.L.S.
Faculty Emerita

Frances D. Maloney, Ed.D.
Professor Emerita

Robert G. Masters, M.A.
Faculty Emeritus

Charles H. McCormick, Ph.D.
Professor Emeritus

Emily McDowell, Ed.D.
Professor Emerita

Earl G. McLaughlin, Ed.D.
Professor Emeritus

Martha L. Miller, Ed.D.
Professor Emerita

Patricia G. Millman, Ed.D.
Professor Emerita

Alice A. Moerk, Ph.D.
Professor Emerita

Aletta L. Moffett, M.S.N.
Professor Emerita

Frances Moody, M.A.
Professor Emerita

Anne B. Morgan, M.A.
Faculty Emerita

Mary E. Morgan, M.A.
Professor Emerita

Orville D. Naegele, M.S.
Professor Emeritus

Marlyn G. Neptune, M.S.
Faculty Emerita

Joanna Nesselroad, Ed.D.
Professor Emerita

Thomas M. Nunnally, M.Ed.
Professor Emeritus

Barbara F. Nutter, M.A.
Faculty Emerita

John D. Parks, M.S.
Professor Emeritus

Ronald D. Pearse, Ed.D.
Professor Emeritus

Edward E. Peters, Ph.D.
Professor Emeritus

H. Dean Peters, Ph.D.
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Fairmont State University

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The institutional Board of Governors for Fairmont State University consists of nine members appointed by the Governor with the advice and consent of the Senate and a representative from the faculty, classified staff, and student body chosen by their respective groups.

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The Higher Education Policy Commission was established by Senate Bill 653 enacted on March 19, 2000. The commission is responsible for developing, gaining consensus around and overseeing the implementation of a public policy agenda and for developing a master plan for higher education for the state. The commission is comprised of nine members, seven of whom are appointed by the Governor with the advice and consent of the Senate.

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Pierpont Community & Technical College

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VETERANS Coordinator	Debra A. Bates

Correspondence Directory

FAIRMONT STATE UNIVERSITY

1201 Locust Avenue
Fairmont, West Virginia 26554

Phone (304) 367-4000
West Virginia Toll Free Number (800) 641-5678
Hearing Impaired TDD (304) 367-4200
Homepage: http://www.fairmontstate.edu

Administrative and General Policy	President
University Curricula, Faculty, Instruction, Summer Sessions	Provost and Vice President for Academic Affairs

PIERPONT COMMUNITY & TECHNICAL COLLEGE

1201 Locust Avenue
Fairmont, West Virginia 26554

Phone (304) 367-4000
West Virginia Toll Free Number (800) 641-5678
Hearing Impaired TDD (304) 367-4200
Homepage: http://www.pierpont.edu

Administrative and General Policy	President
Aviation/Aerospace Programs	Robert C. Byrd National Aerospace Education Center 1050 East Benedum Industrial Road Bridgeport, WV 26330 Phone (304) 842-8300
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Services for Students with Disabilities	Coordinator of Disability Issues & Psychological Services

VISITORS

Visitors are always welcome at Fairmont State University and Pierpont Community & Technical College. A tour of the campus can be arranged, Monday through Friday at 10:00 a.m. or 2:00 p.m., for persons who make an appointment in advance. Saturday tours are offered once a month throughout the year. For additional information contact the Office of Admissions in Hardway Hall at (304) 367-4892 or visit the websites: www.fairmontstate.edu or www.pierpont.edu.

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1201 LOCUST AVENUE
FAIRMONT, WEST VIRGINIA 26554
(800) 641-5678

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